

FIG. 1

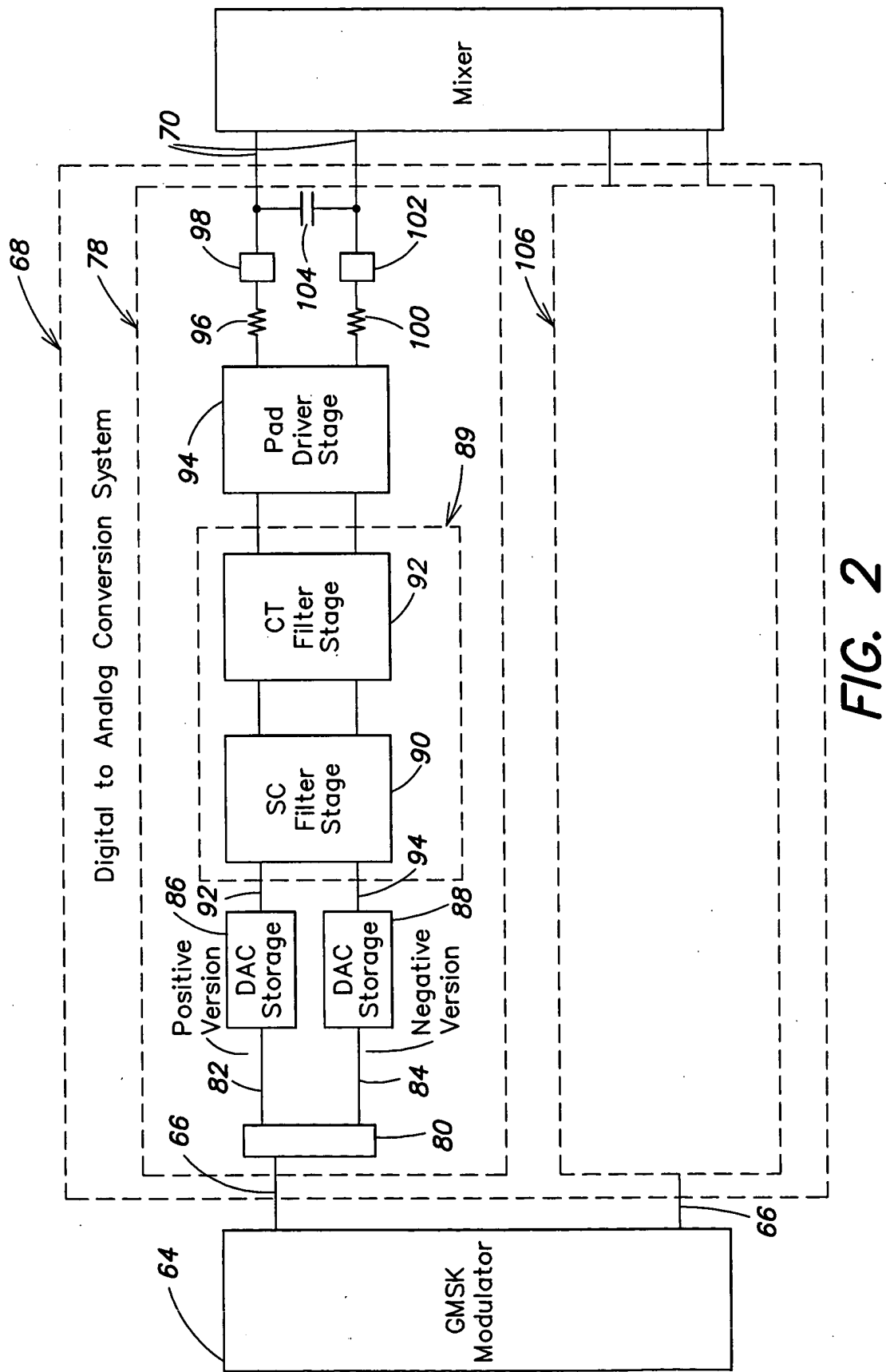


FIG. 2

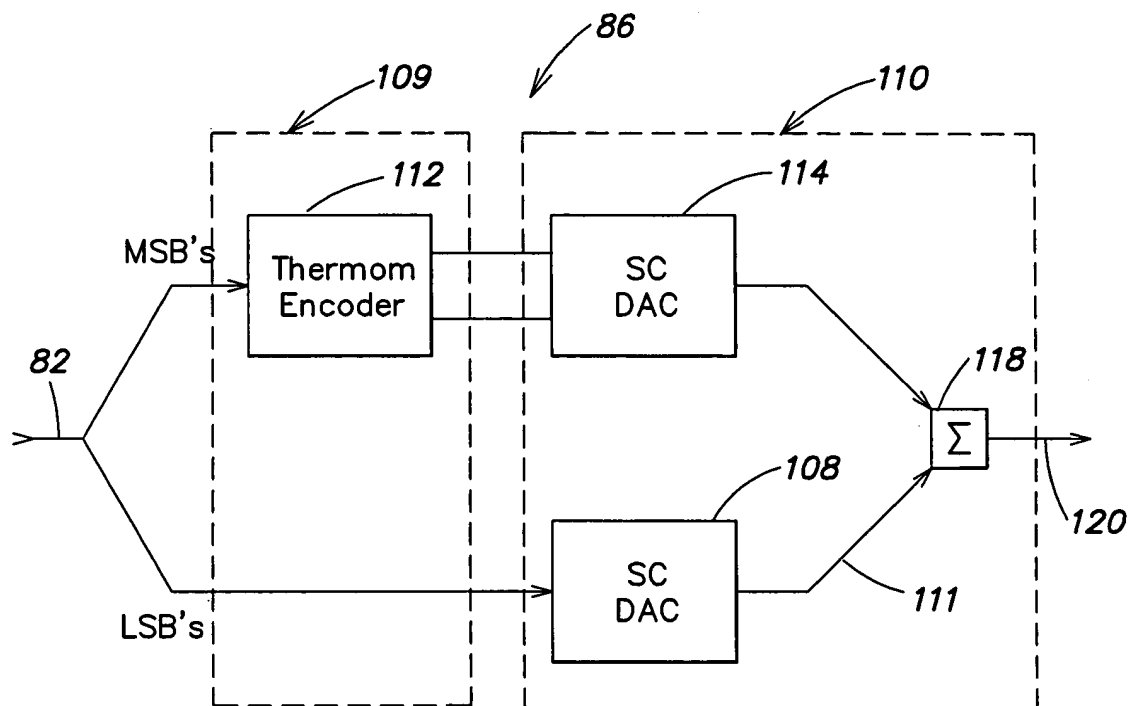


FIG. 3

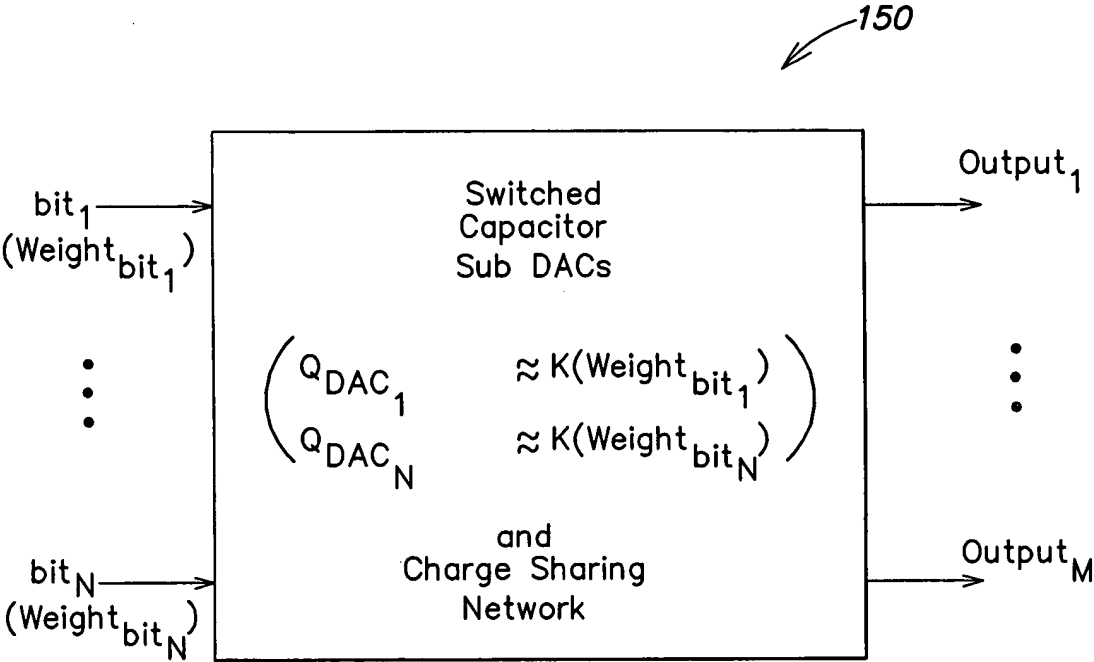


FIG. 4

FIG. 5

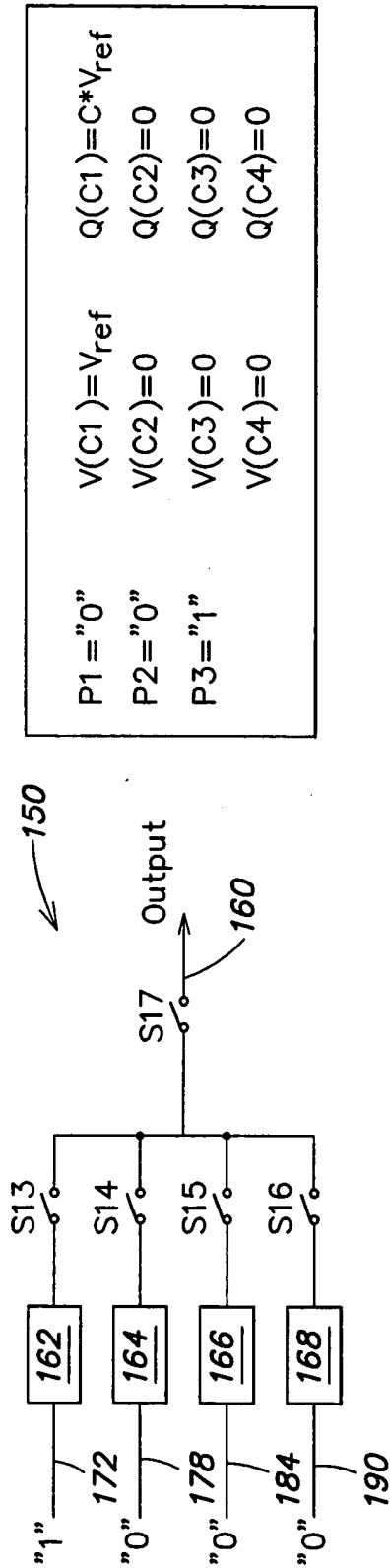


FIG. 7A

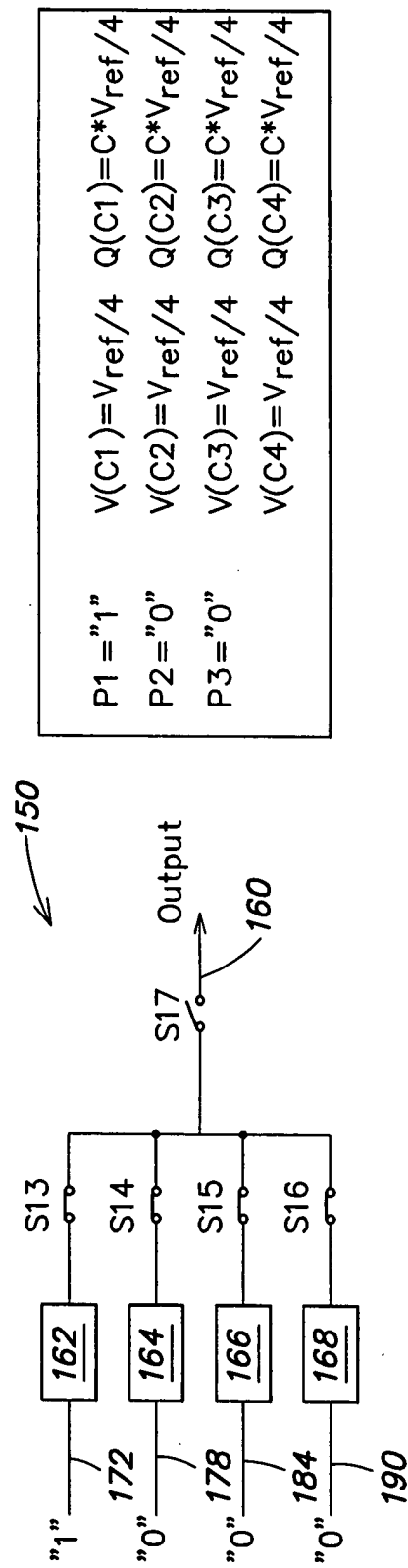


FIG. 7B

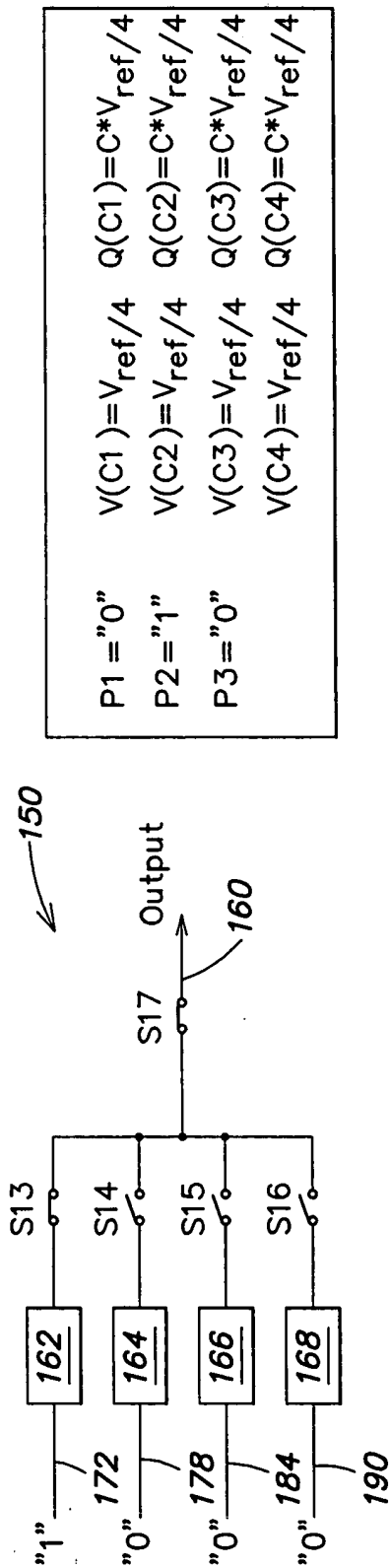


FIG. 7C

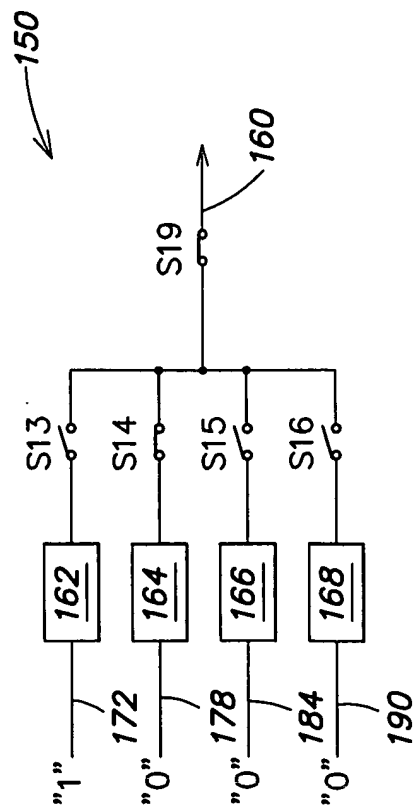


FIG. 10

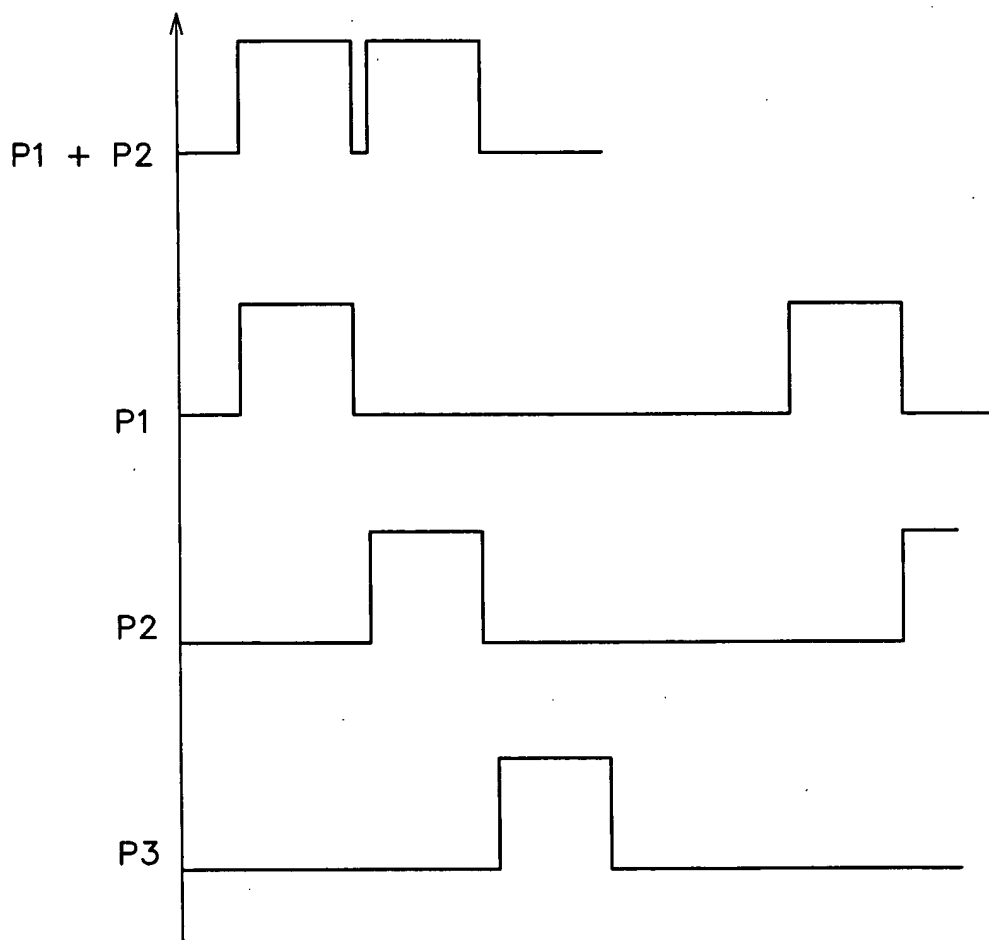


FIG. 6

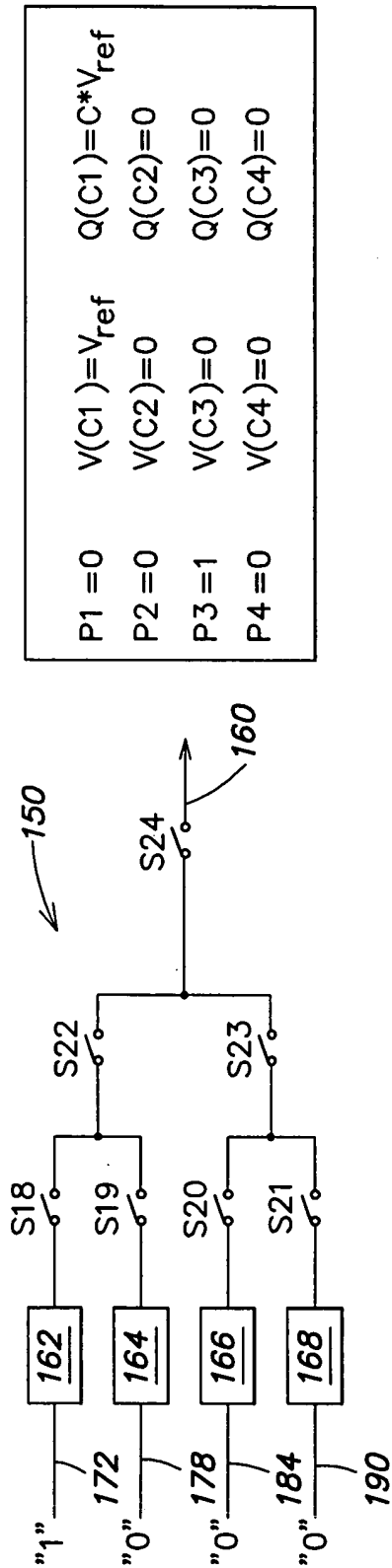


FIG. 8A

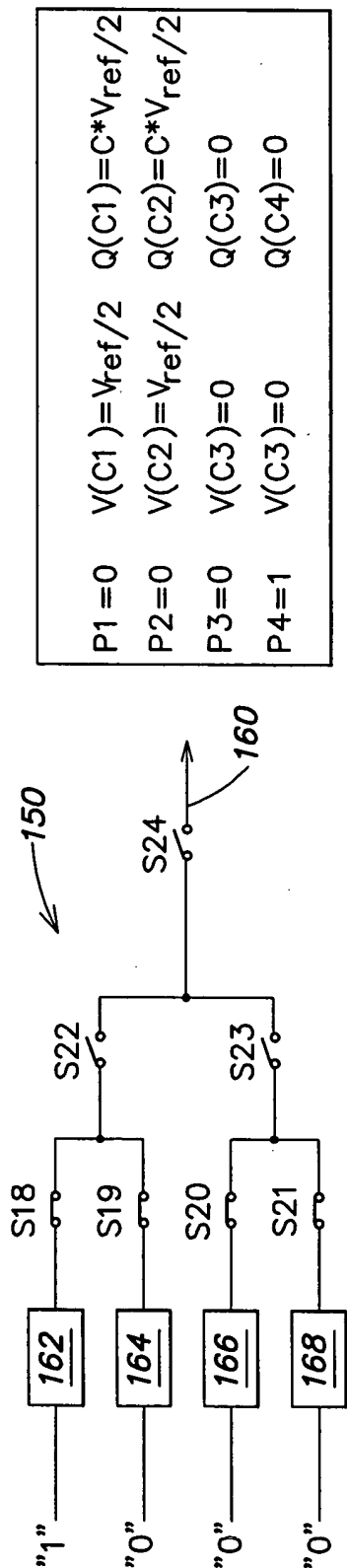


FIG. 8B

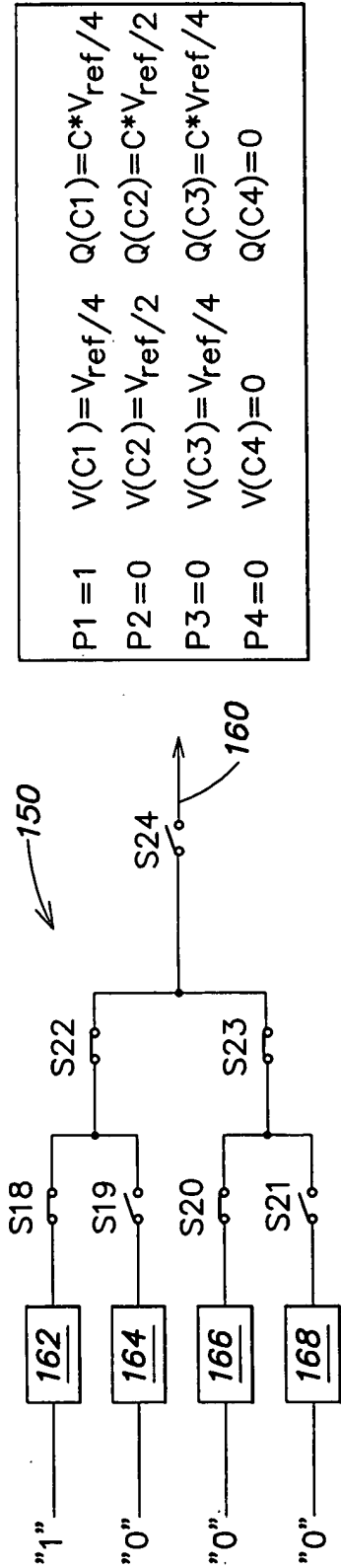


FIG. 8C

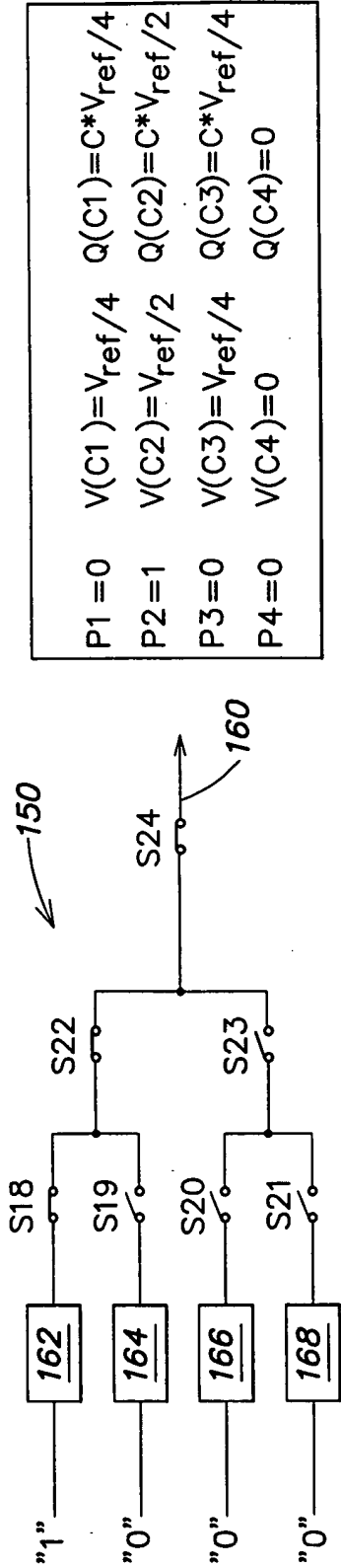


FIG. 8D

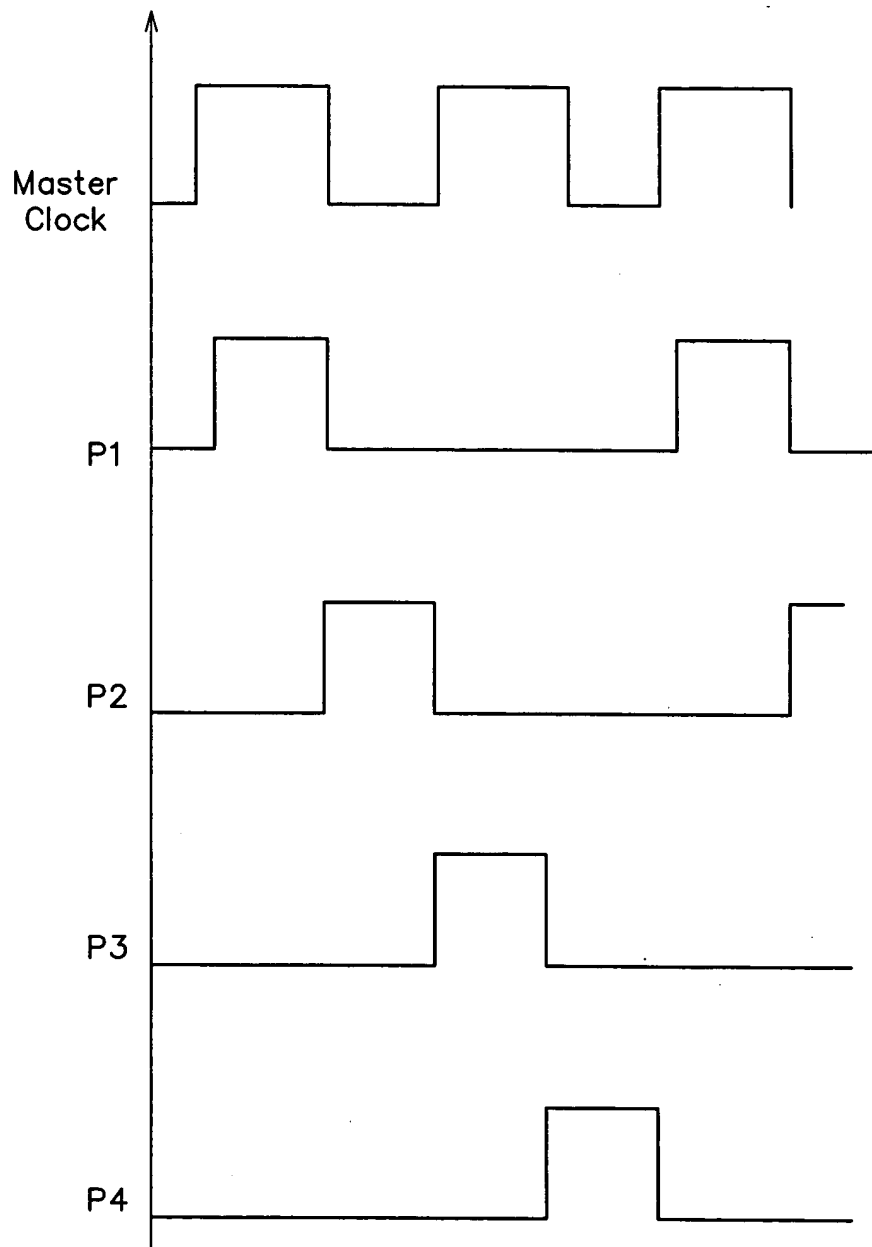


FIG. 9

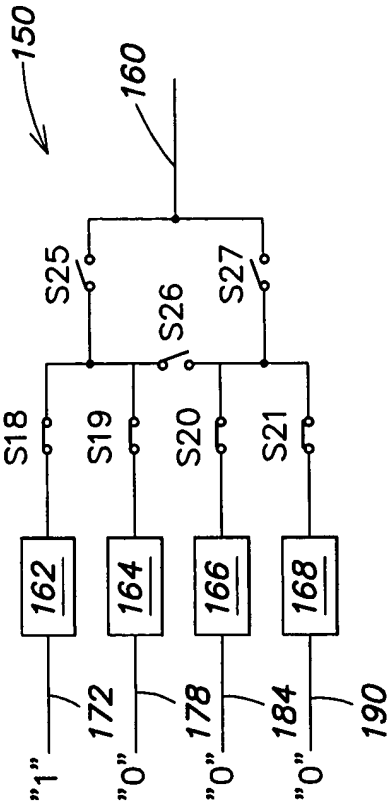


FIG. 11B

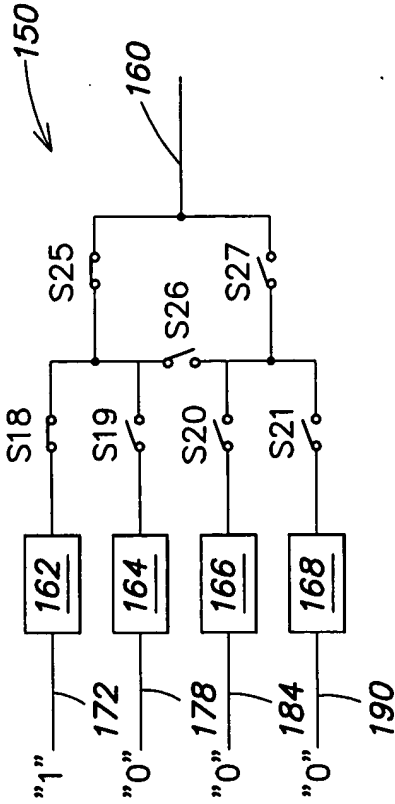


FIG. 11C

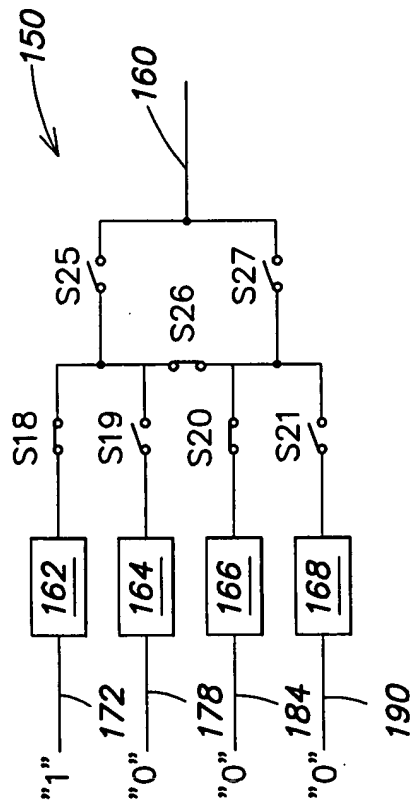


FIG. 11D

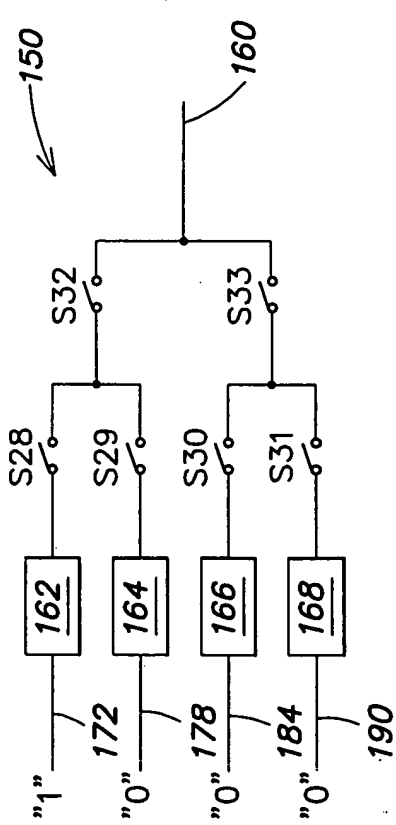


FIG. 12A

P1 = 0	$V(C1) = V_{ref}$	$Q(C1) = C \cdot V_{ref}$
P2 = 0	$V(C2) = 0$	$Q(C2) = 0$
P3 = 1	$V(C3) = 0$	$Q(C3) = 0$
	$V(C4) = 0$	$Q(C4) = 0$

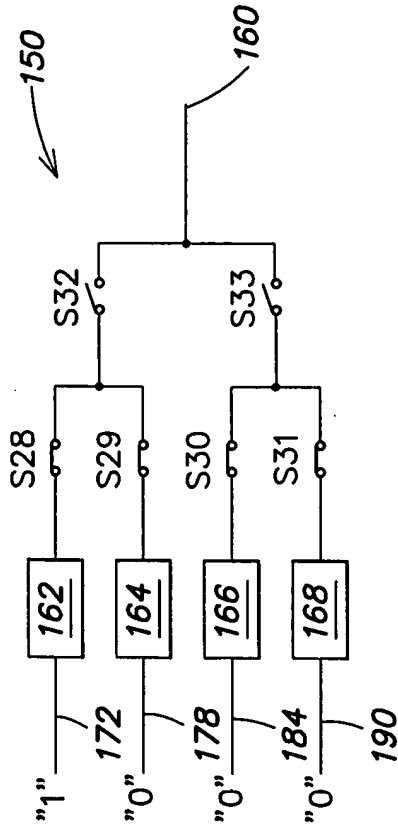


FIG. 12B

P1 = 1	$V(C1) = V_{ref}/2$	$Q(C1) = C \cdot V_{ref}/2$
P2 = 0	$V(C2) = V_{ref}/2$	$Q(C2) = C \cdot V_{ref}/2$
P3 = 0	$V(C3) = 0$	$Q(C3) = 0$
	$V(C4) = 0$	$Q(C4) = 0$

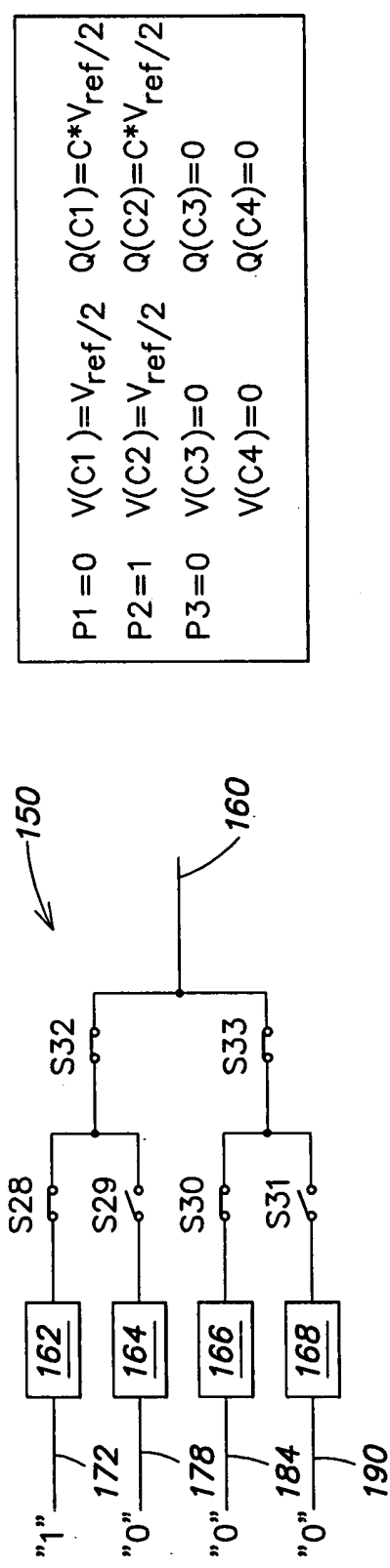


FIG. 12C

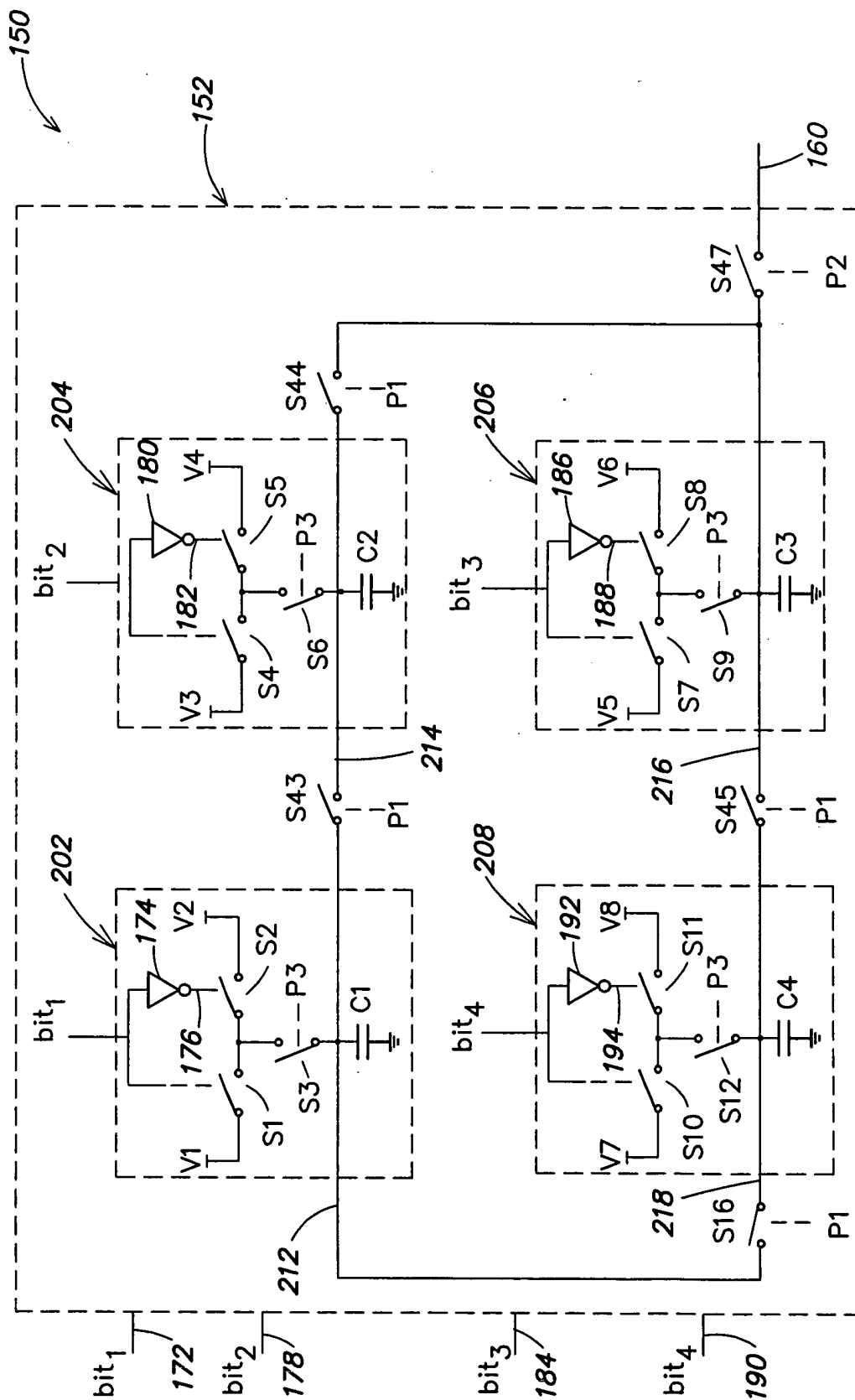


FIG. 13

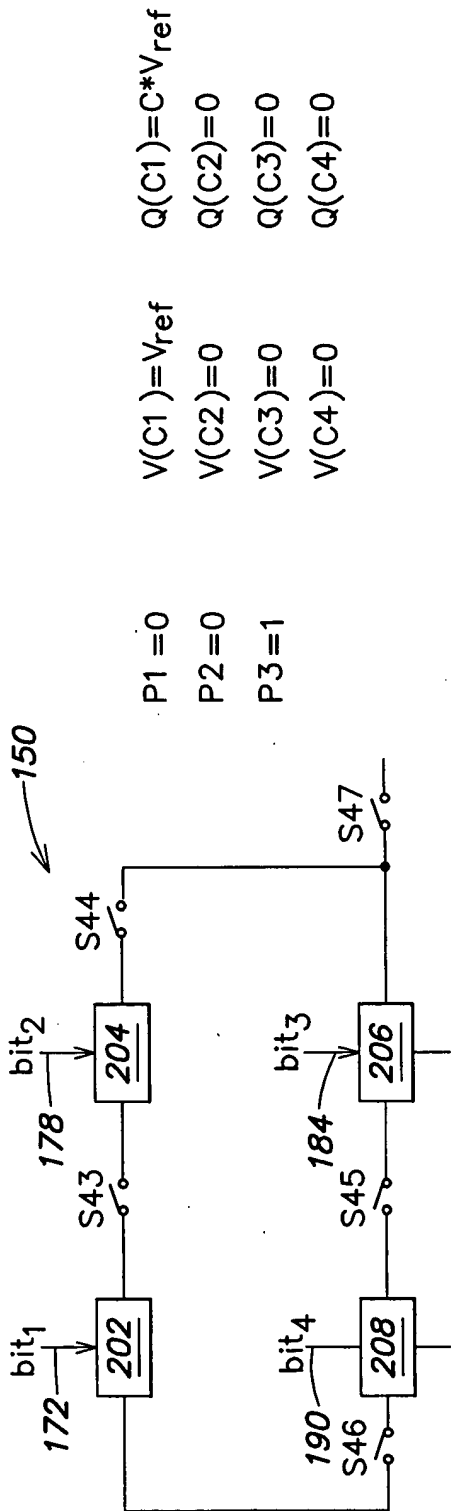


FIG. 14A

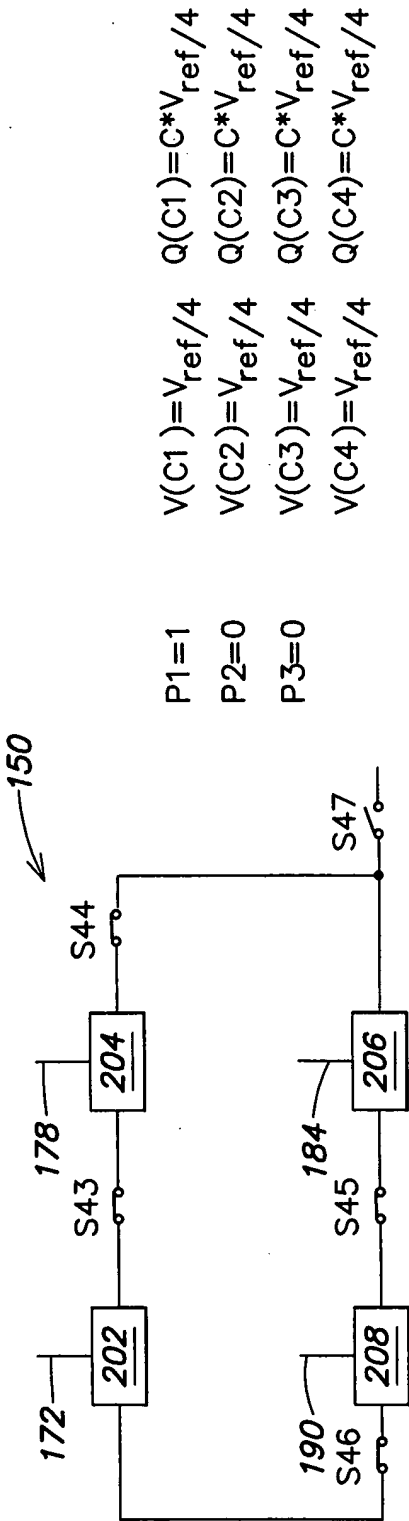


FIG. 14B

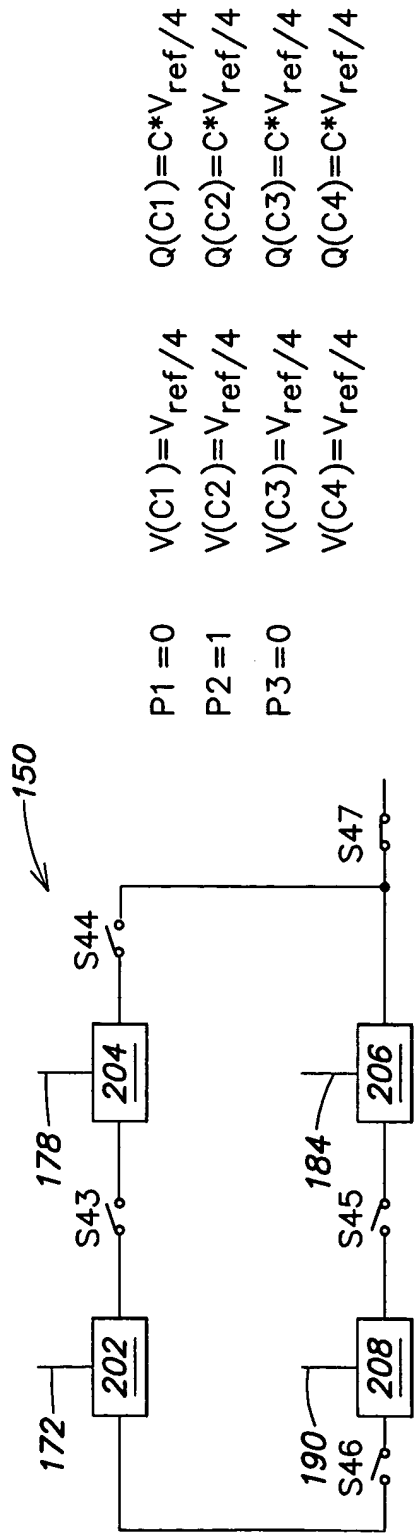


FIG. 14C

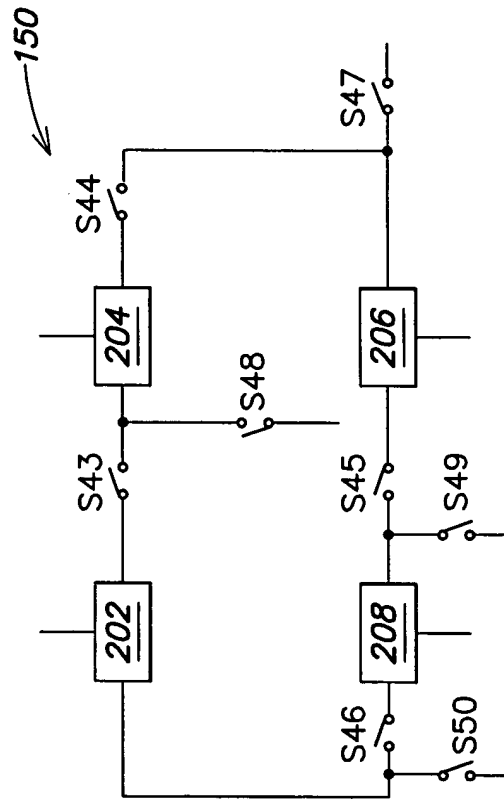


FIG. 15

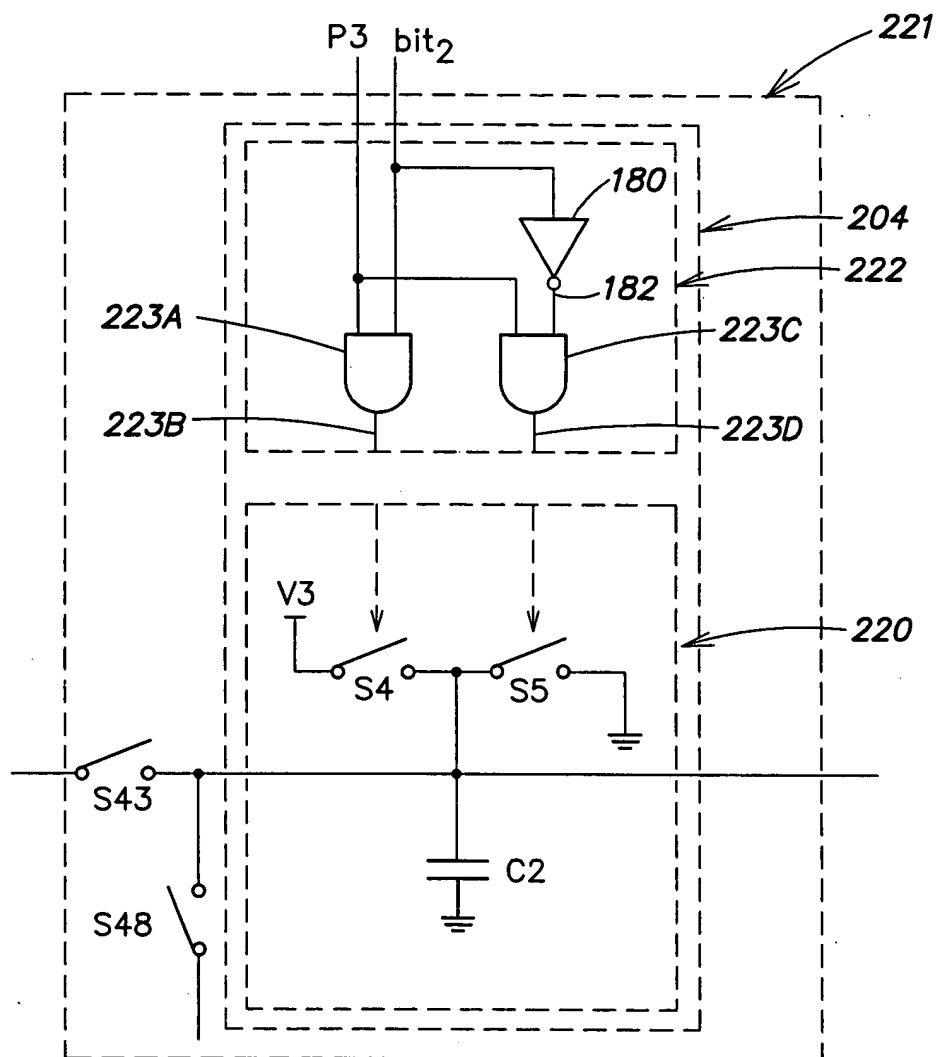


FIG. 16A

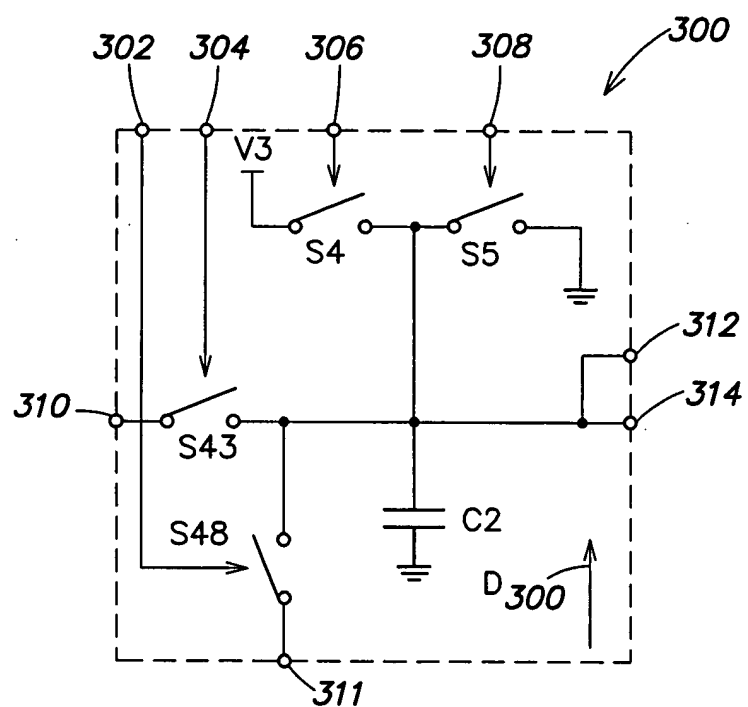


FIG. 16B

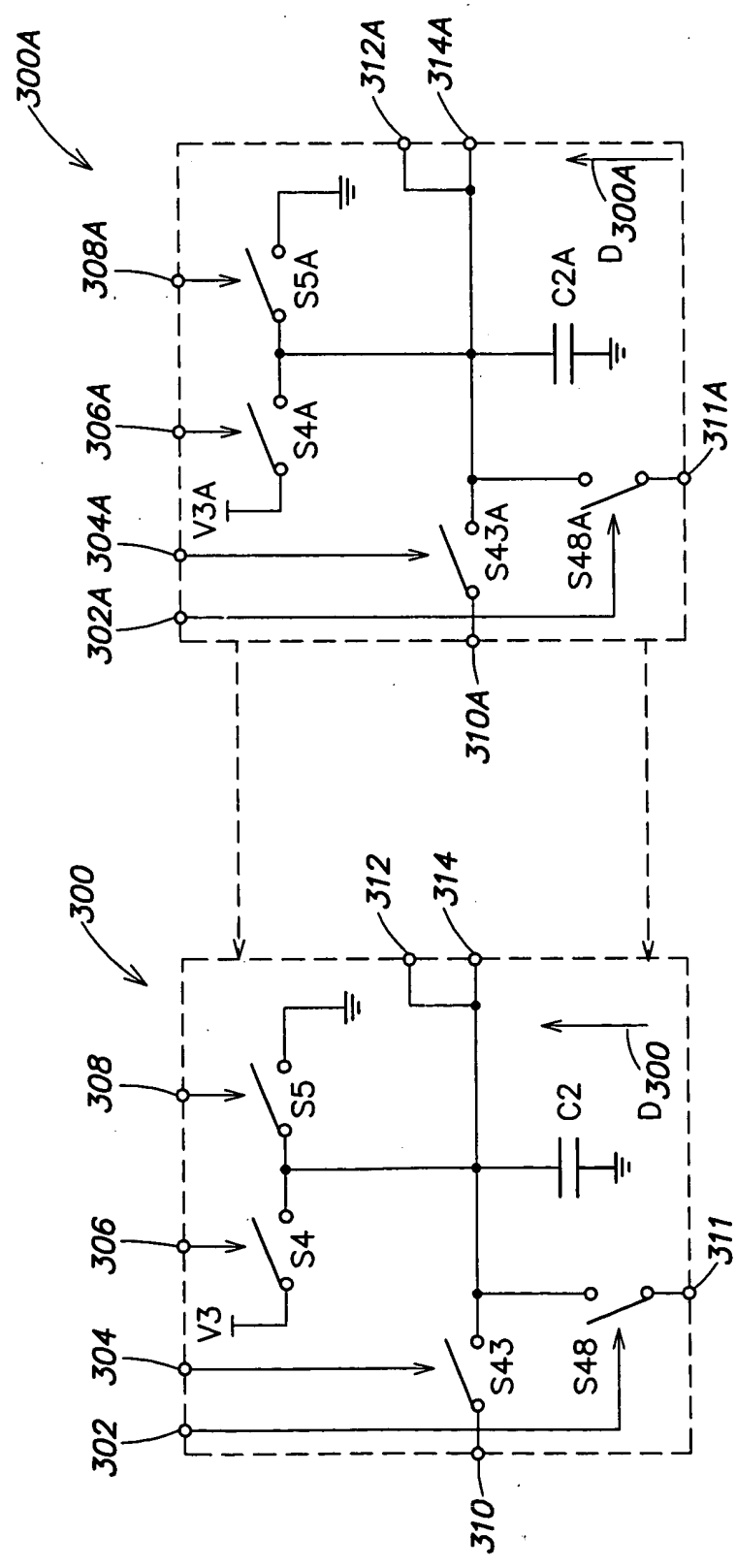


FIG. 16C

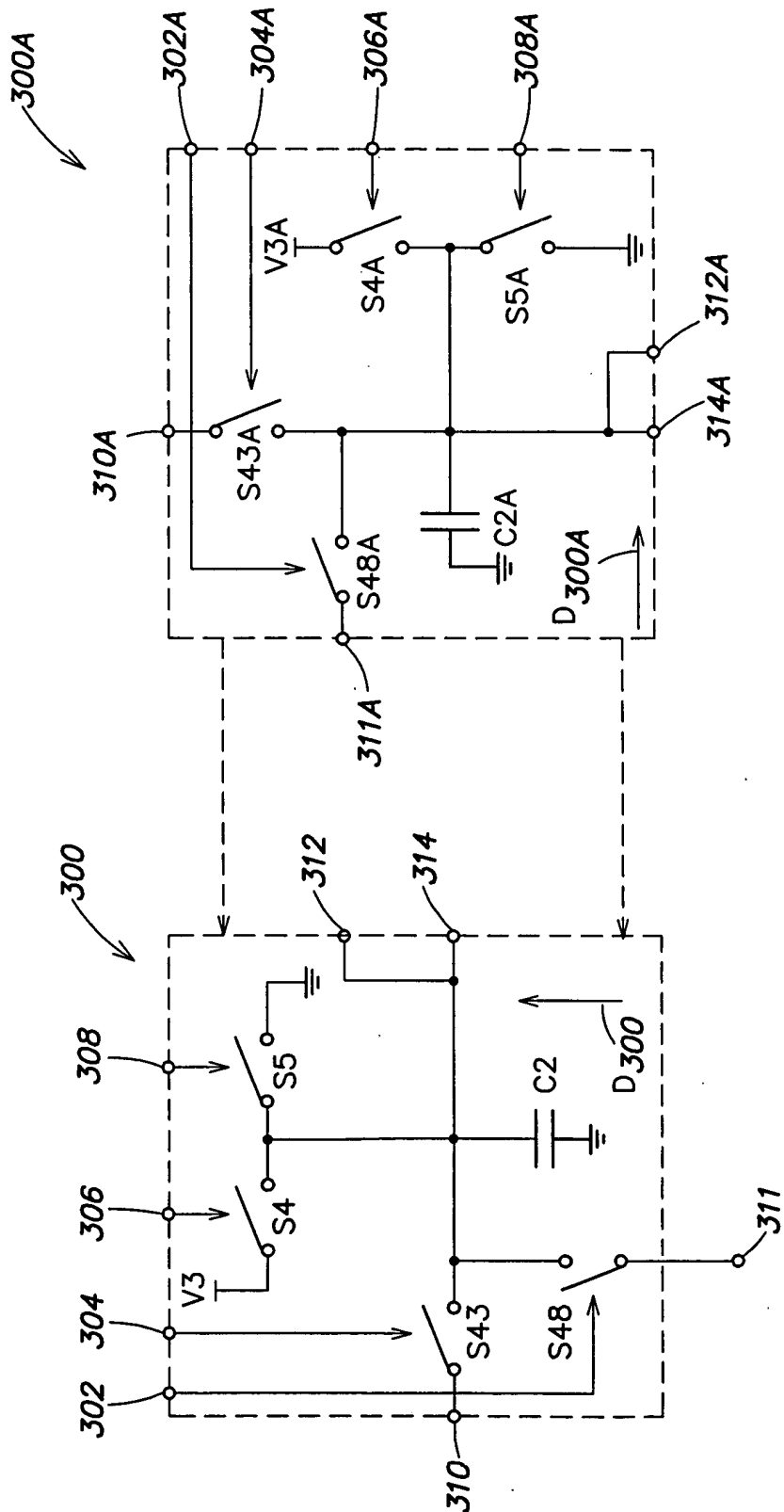


FIG. 16D

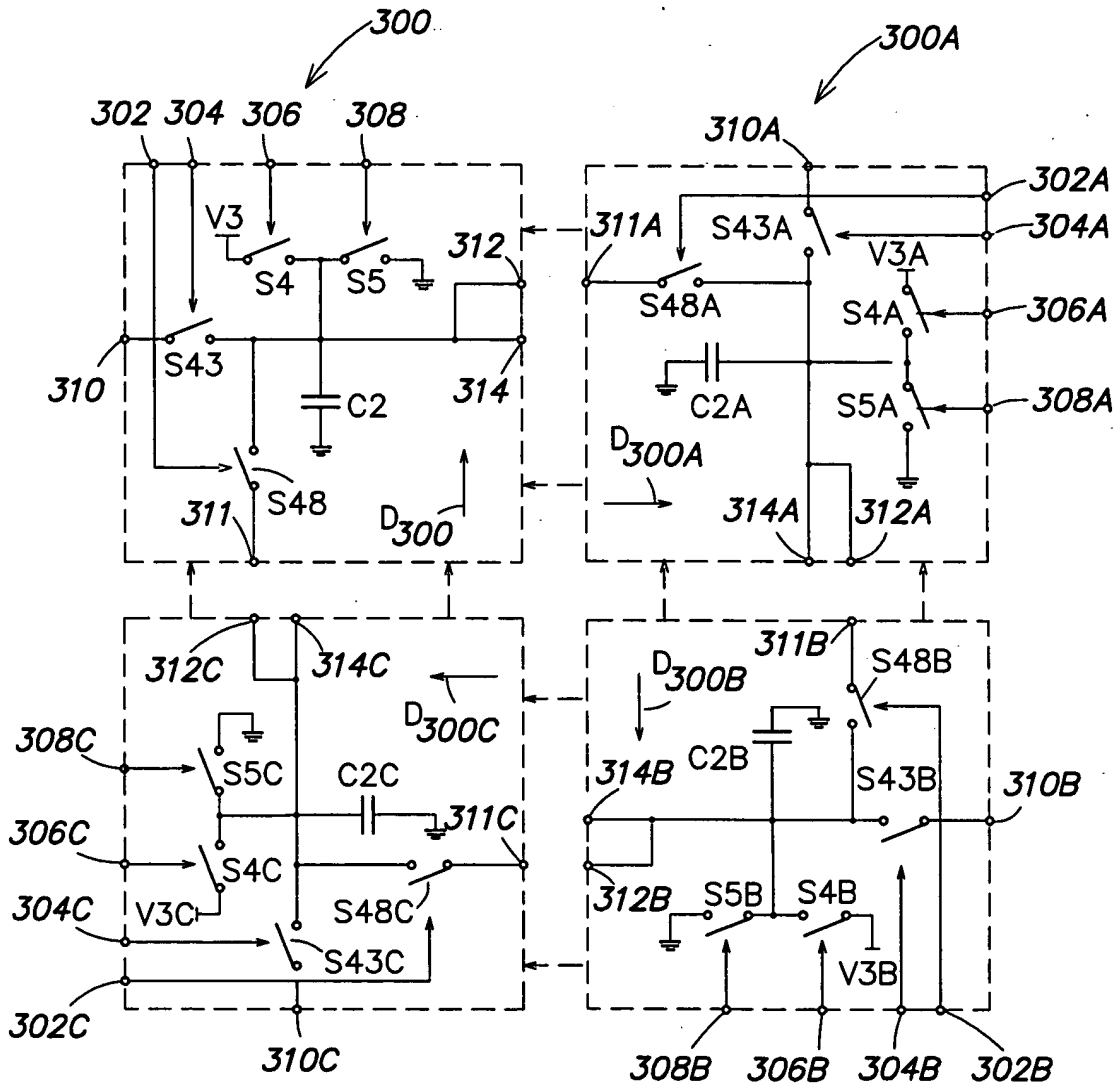


FIG. 16E

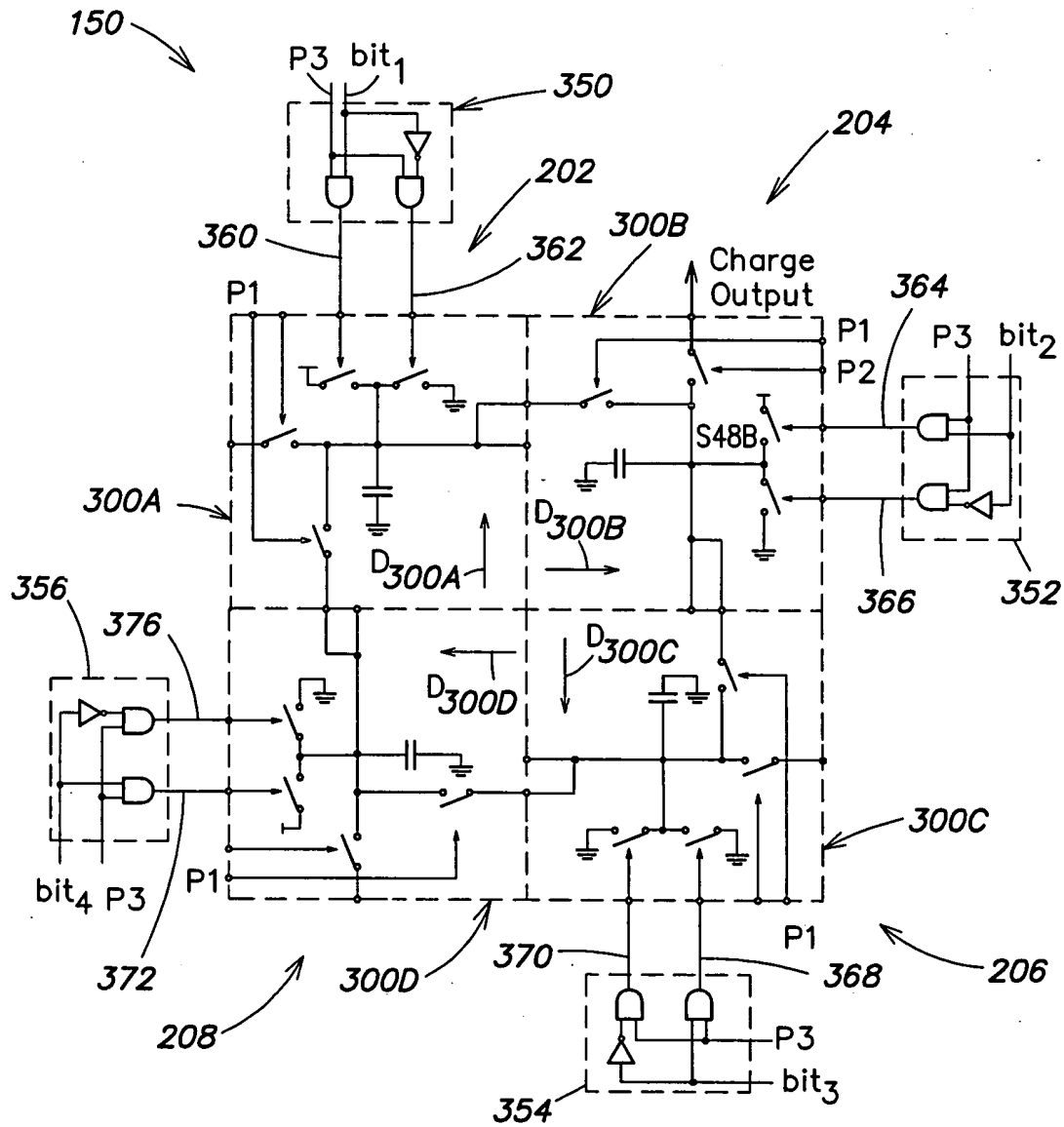


FIG. 17

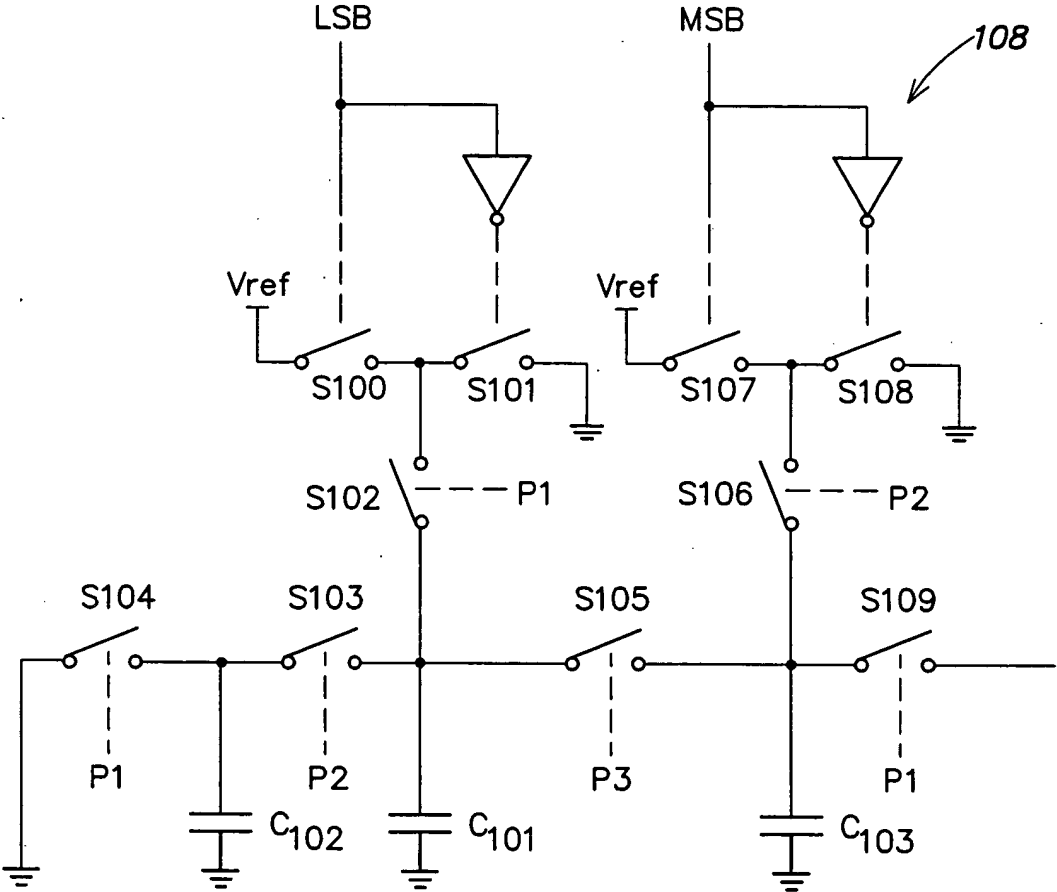


FIG. 18

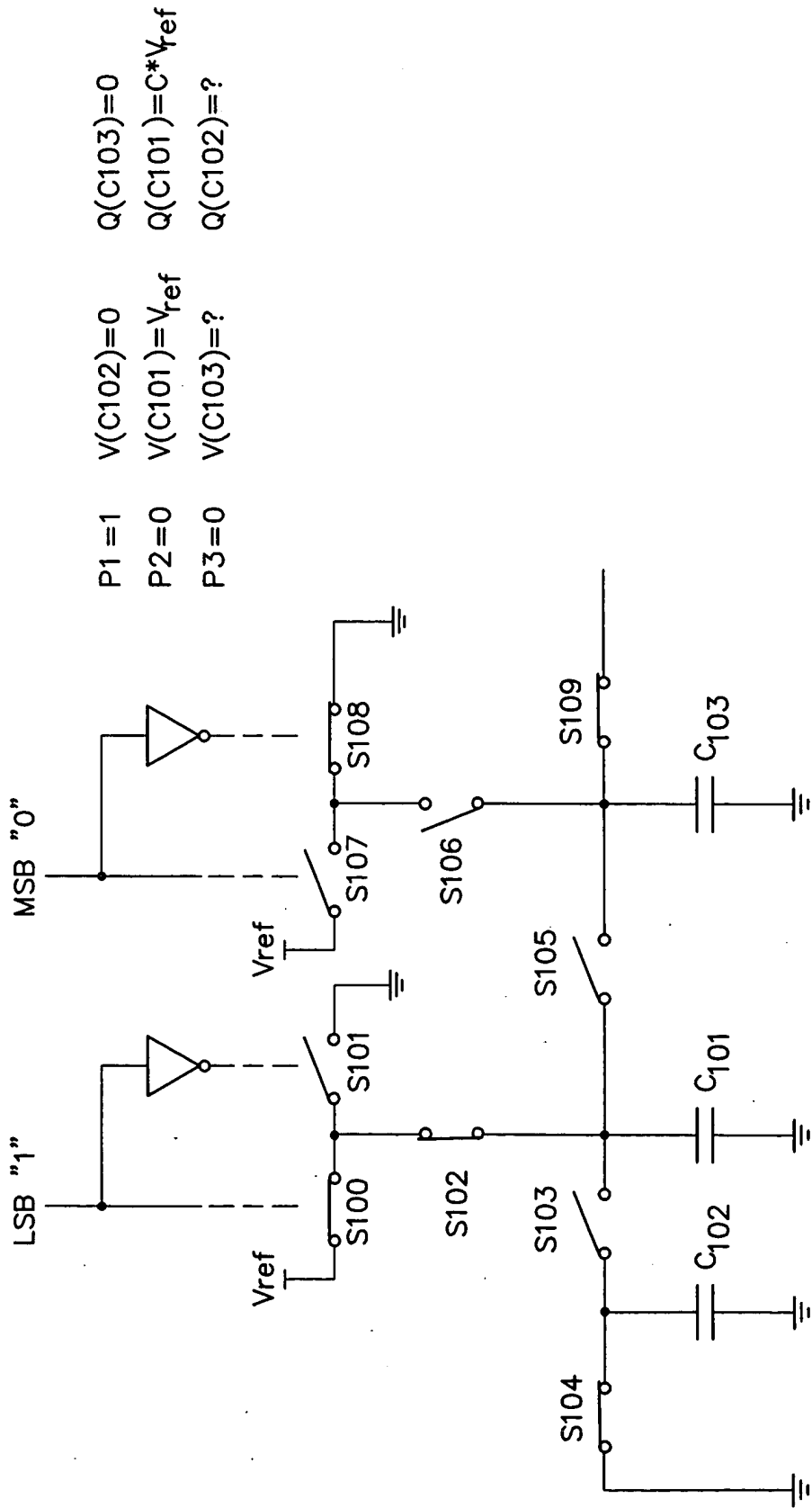


FIG. 19A

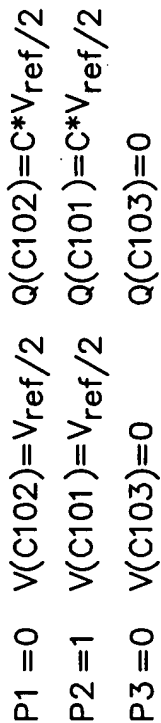


FIG. 19B

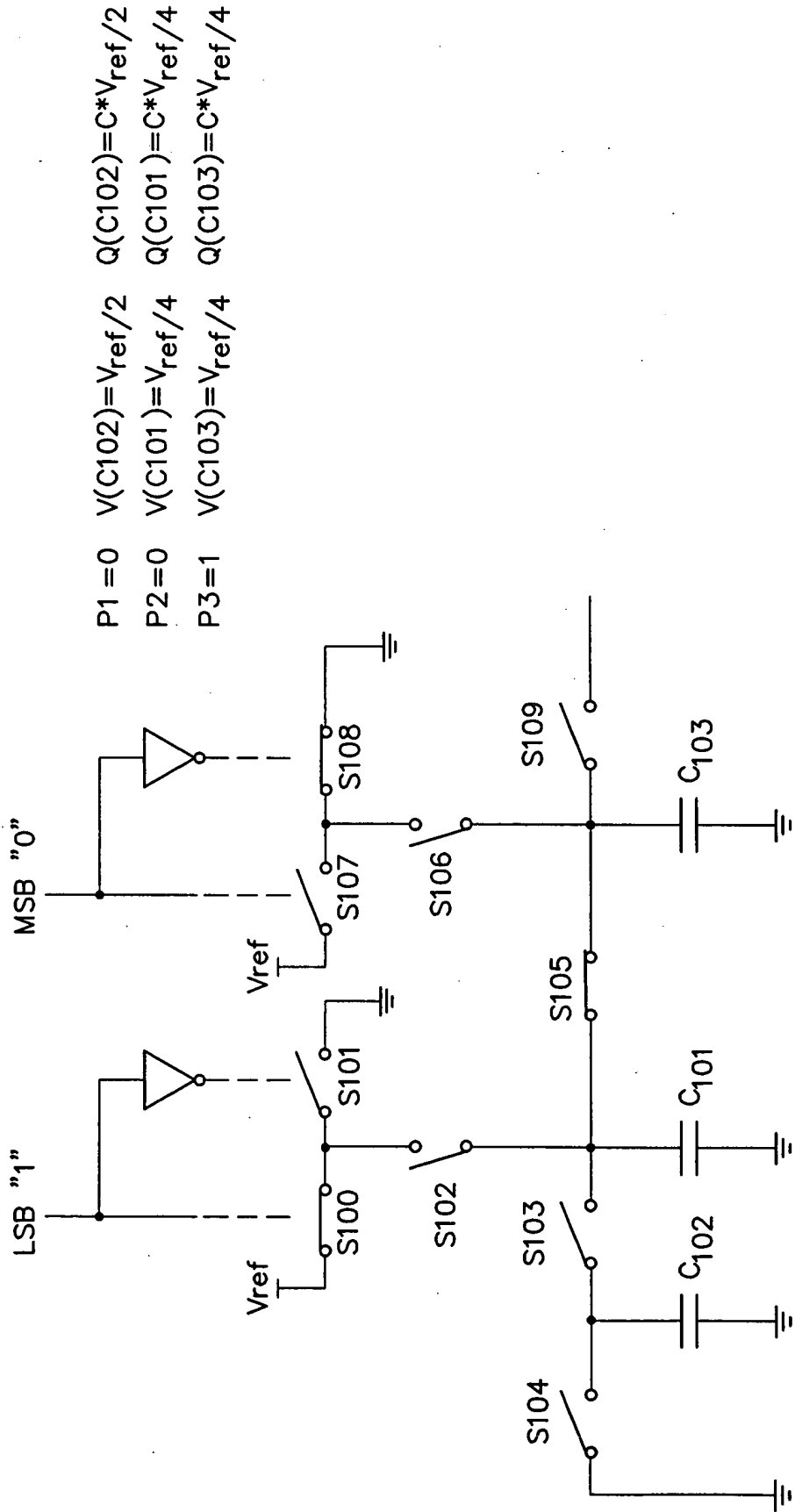


FIG. 19C

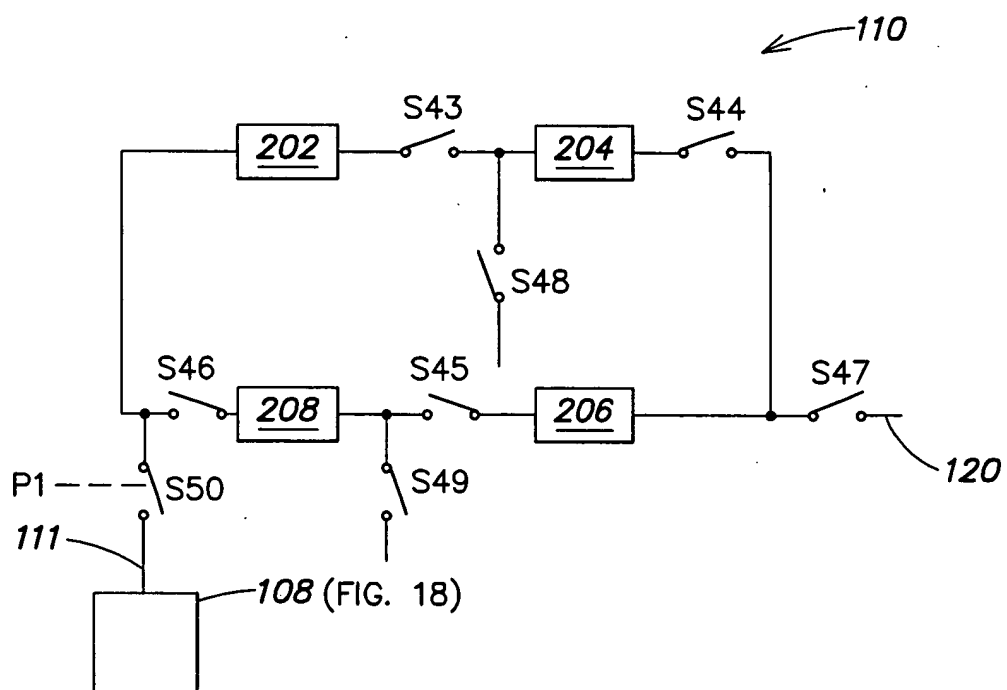


FIG. 20



FIG. 21

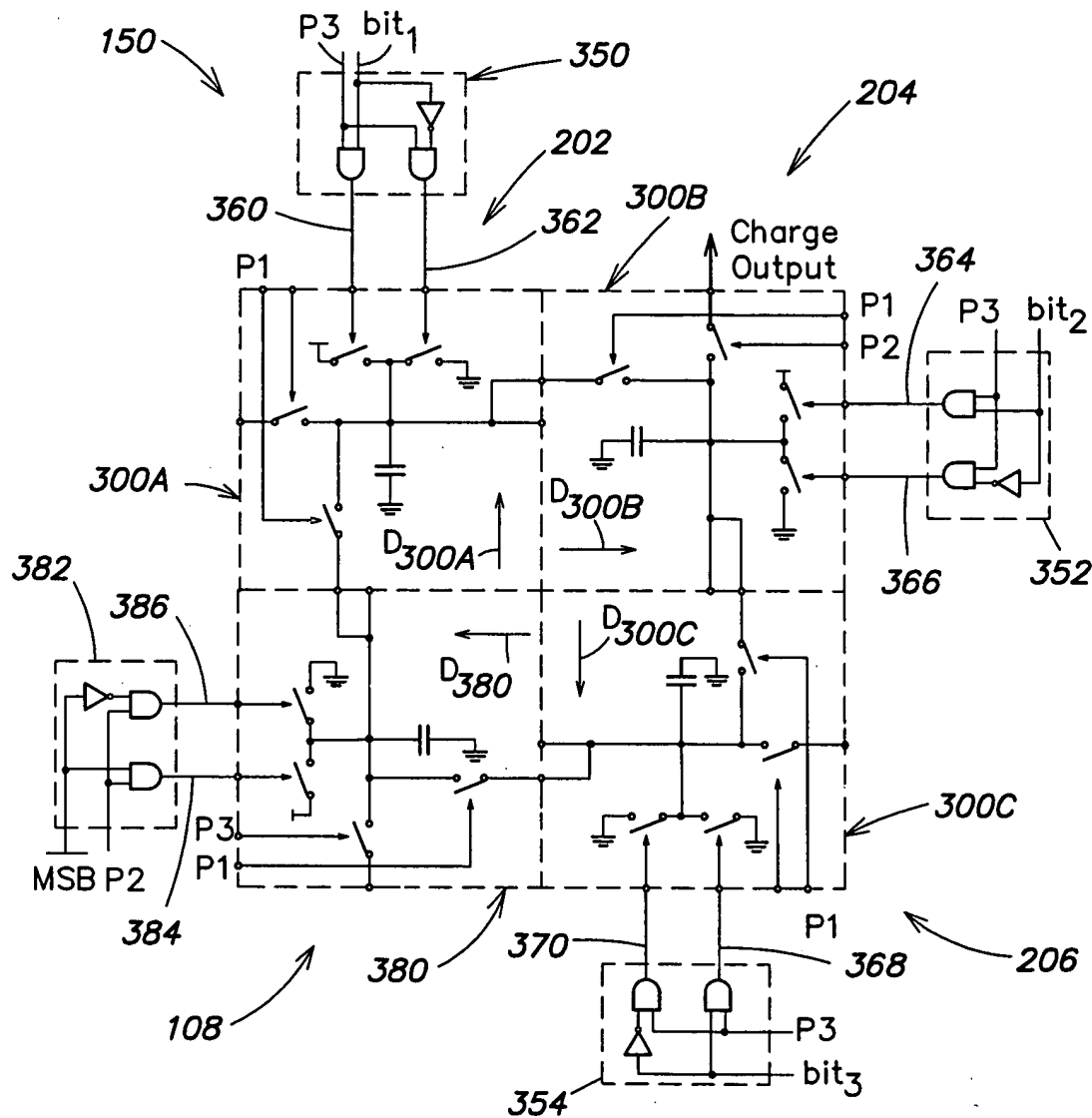


FIG. 22

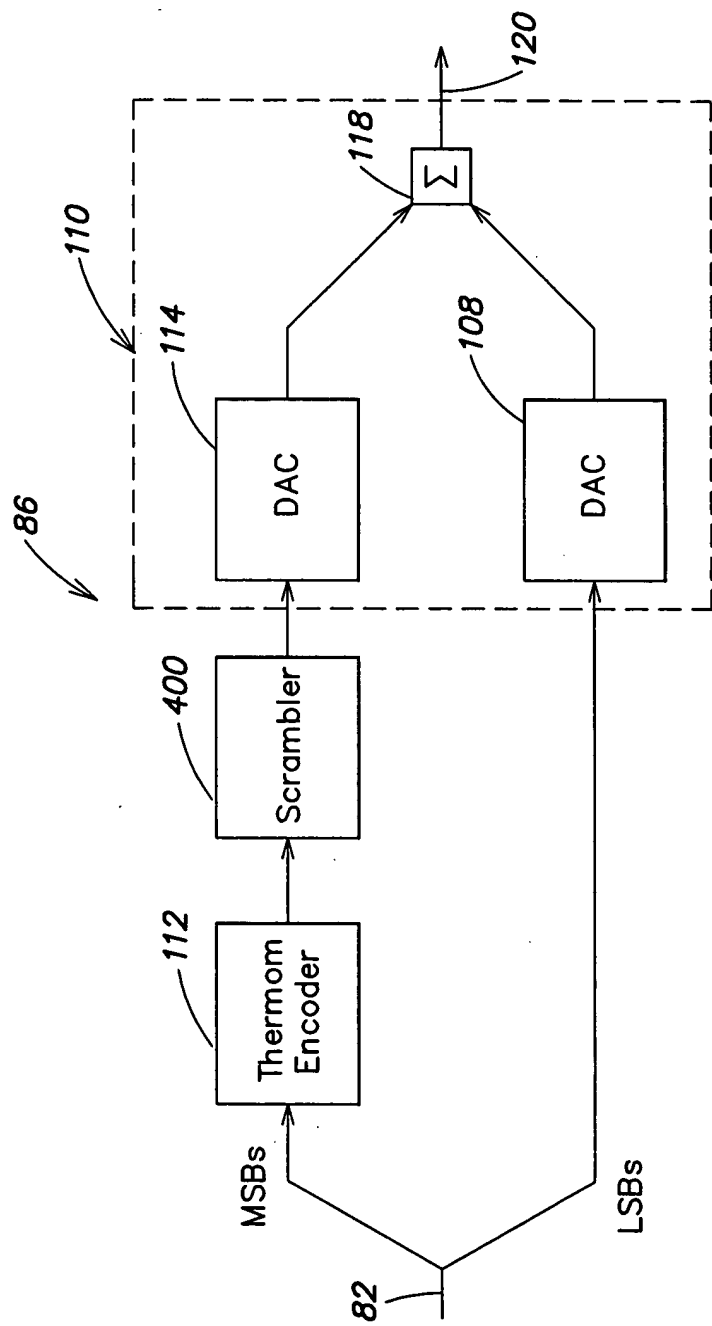


FIG. 23

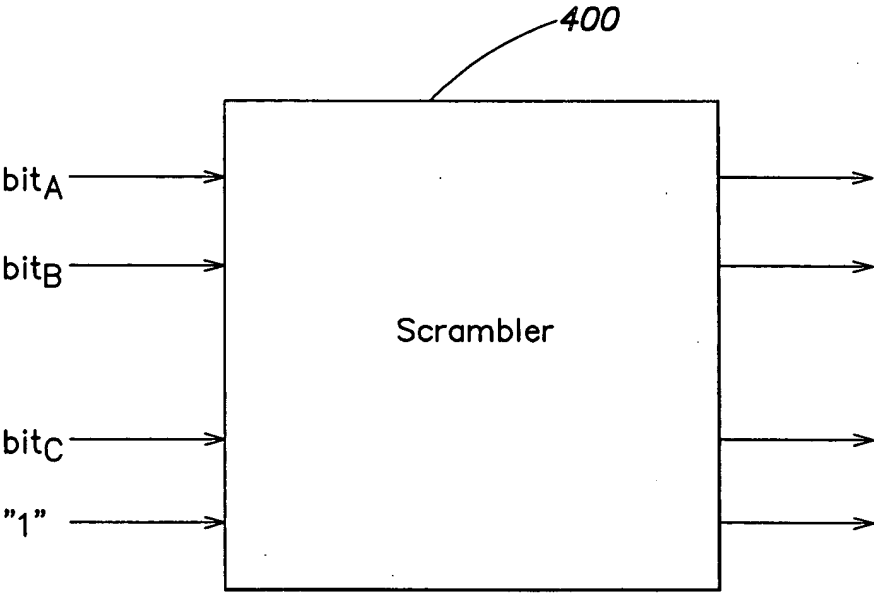


FIG. 24

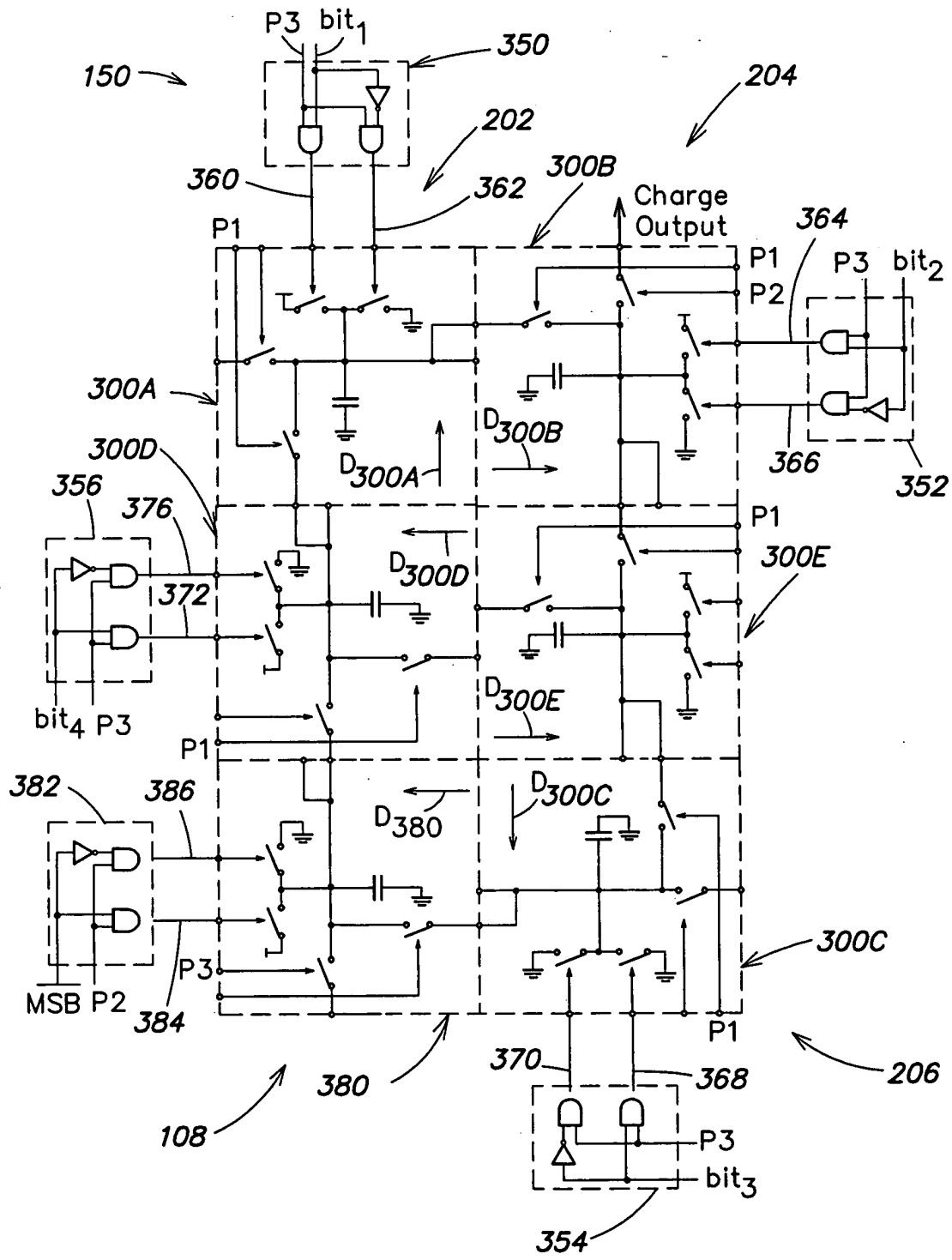


FIG. 25



FIG. 26

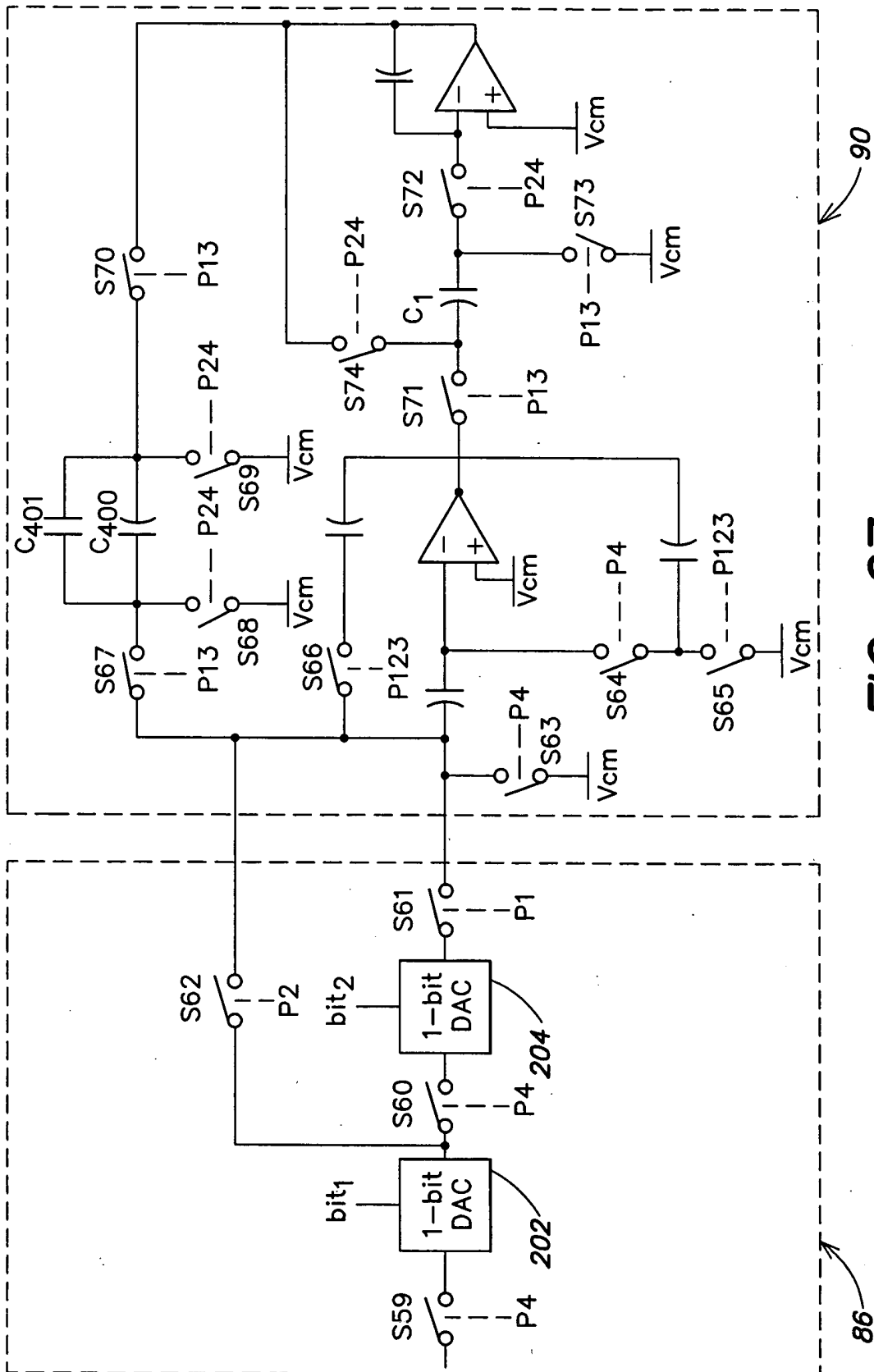


FIG. 27

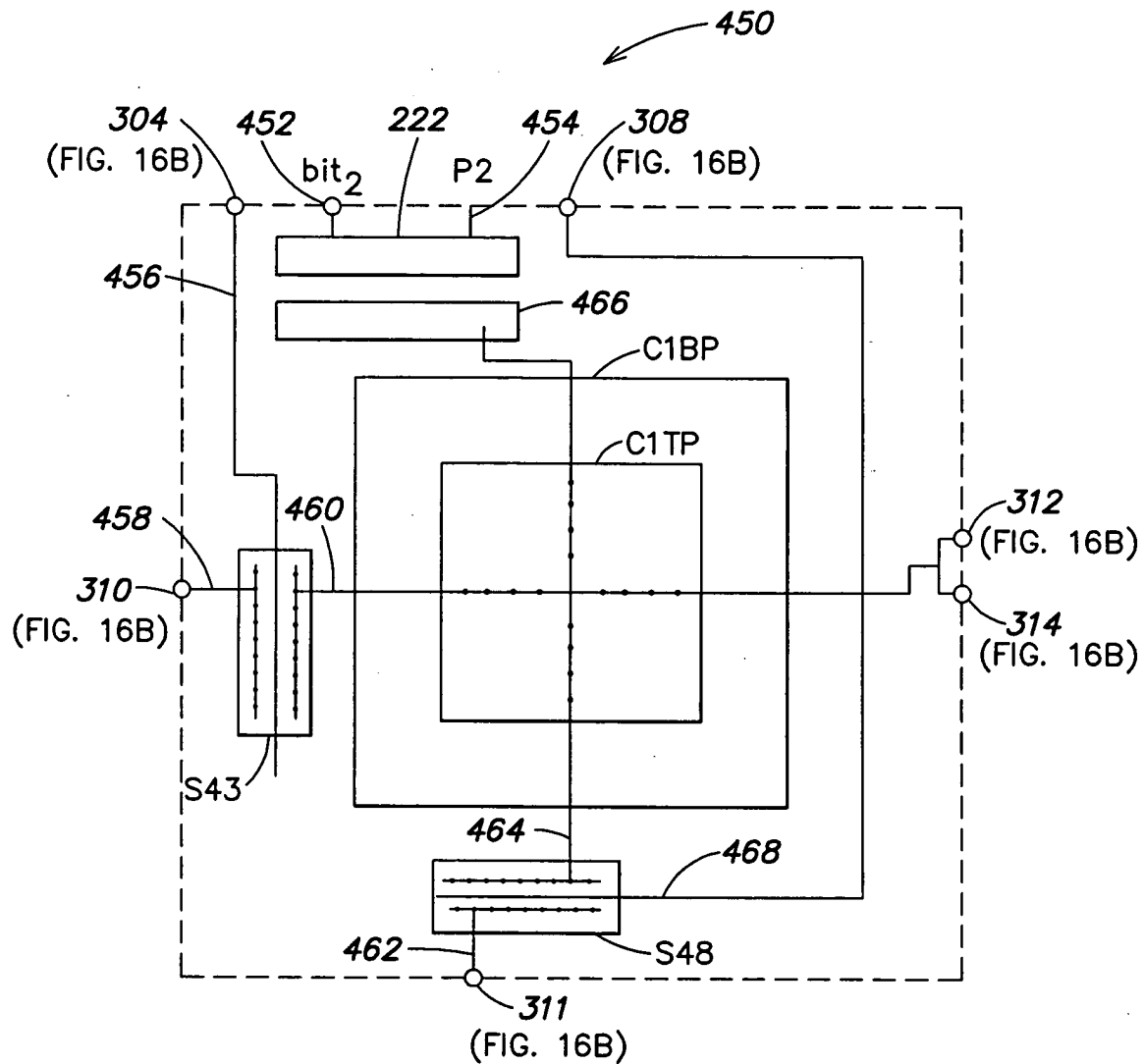


FIG. 28A

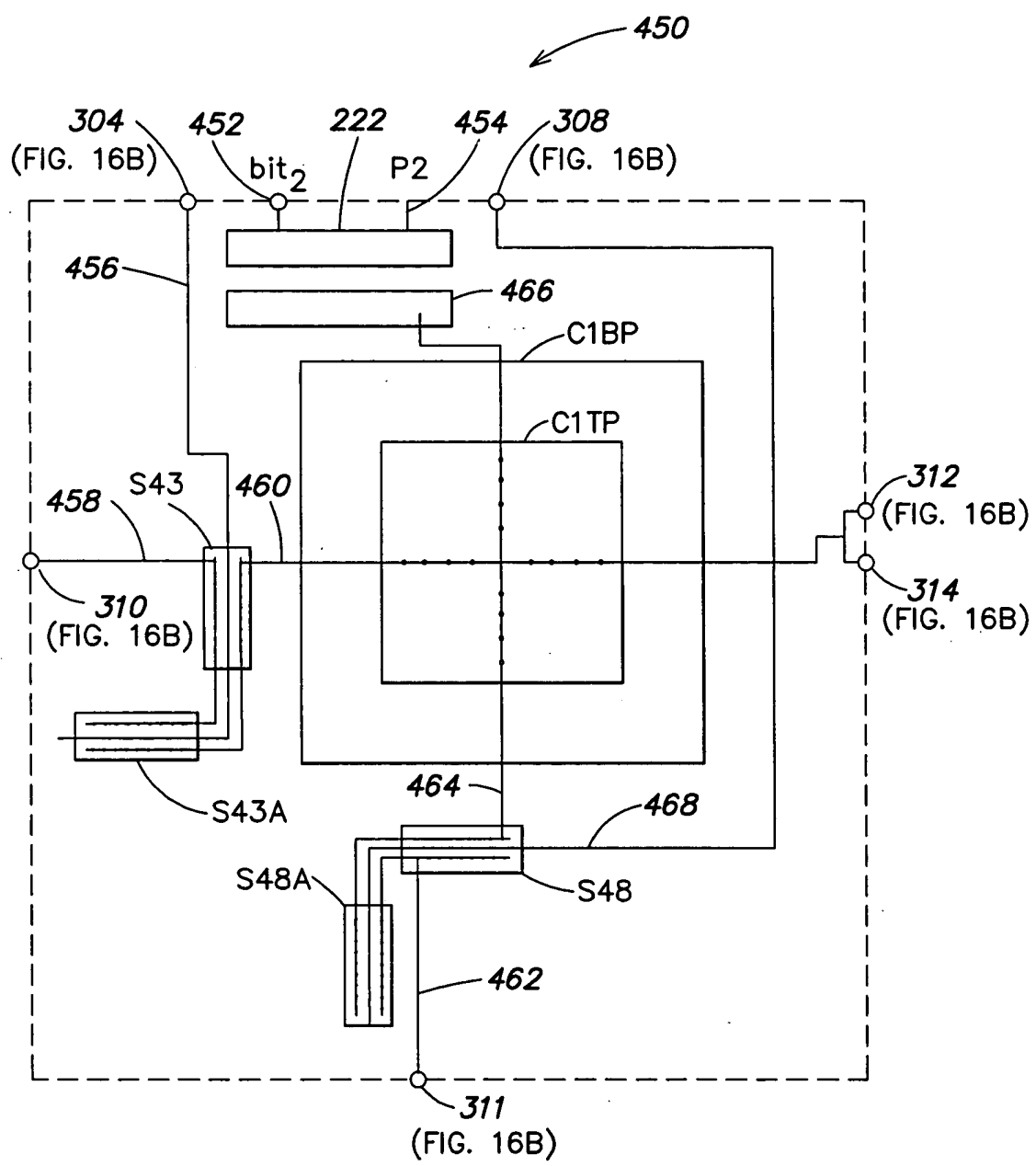


FIG. 28B

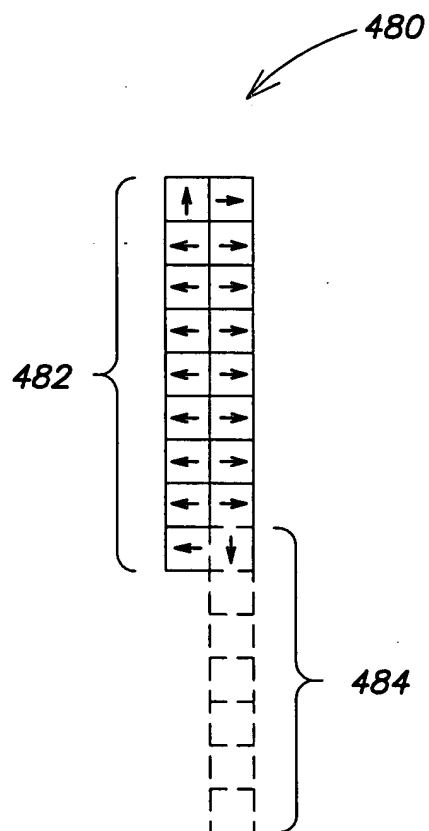


FIG. 29

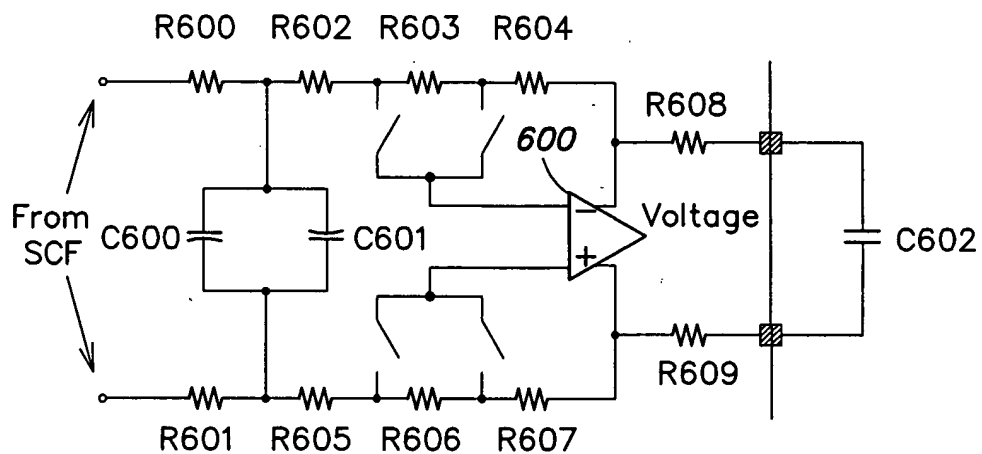


FIG. 30

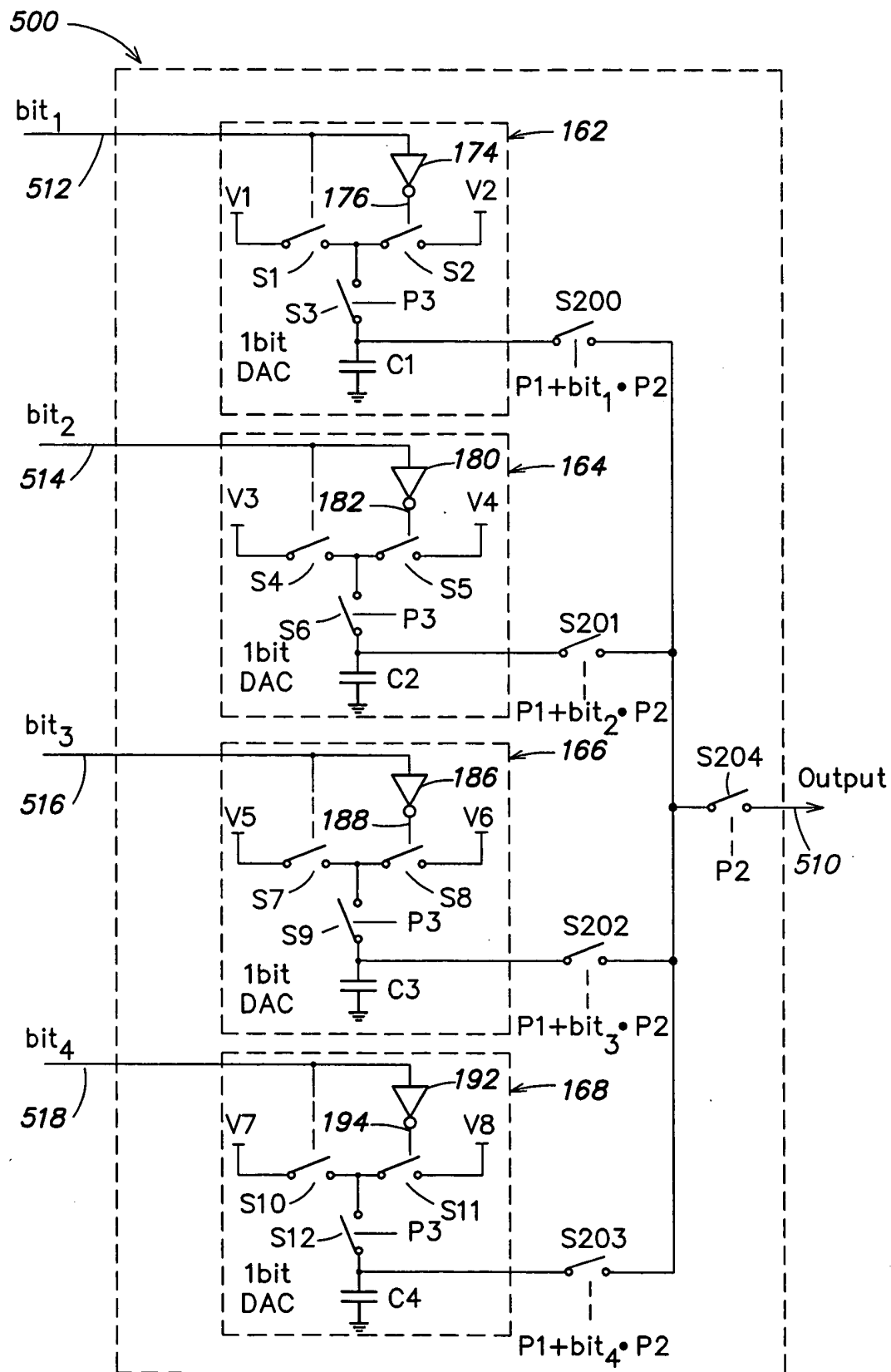


FIG. 31

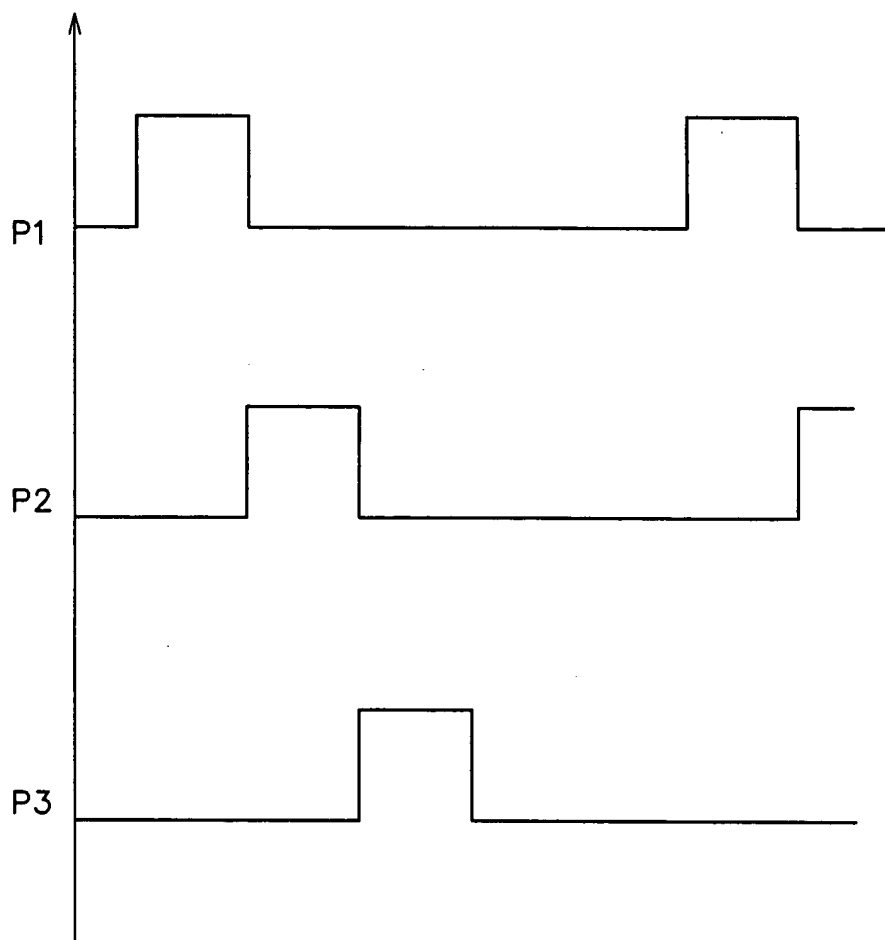


FIG. 32

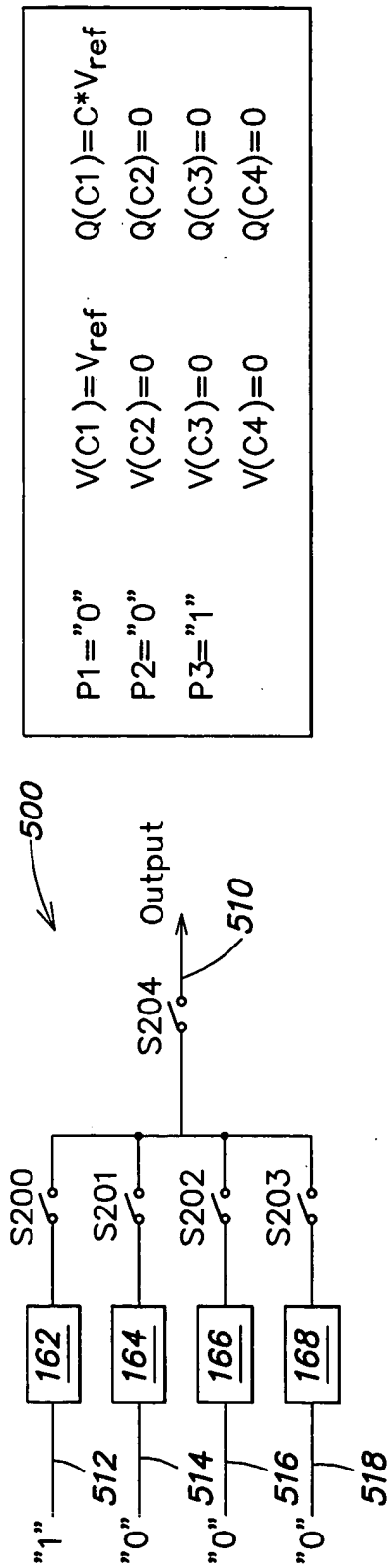
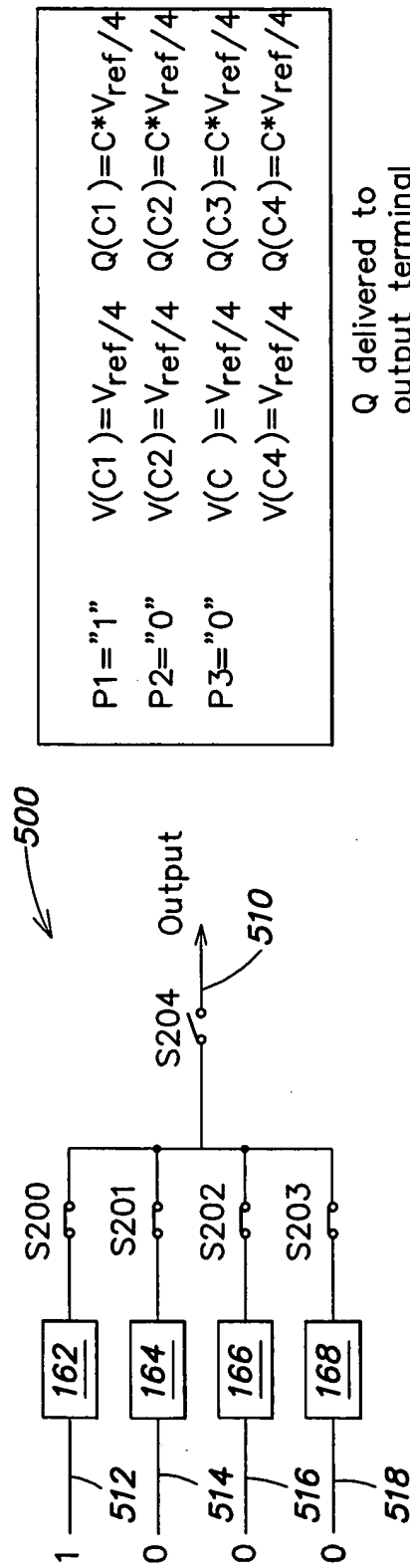


FIG. 33A



Q delivered to
output terminal
is $Q(C_1)=C*V_{ref}/4$

FIG. 33B

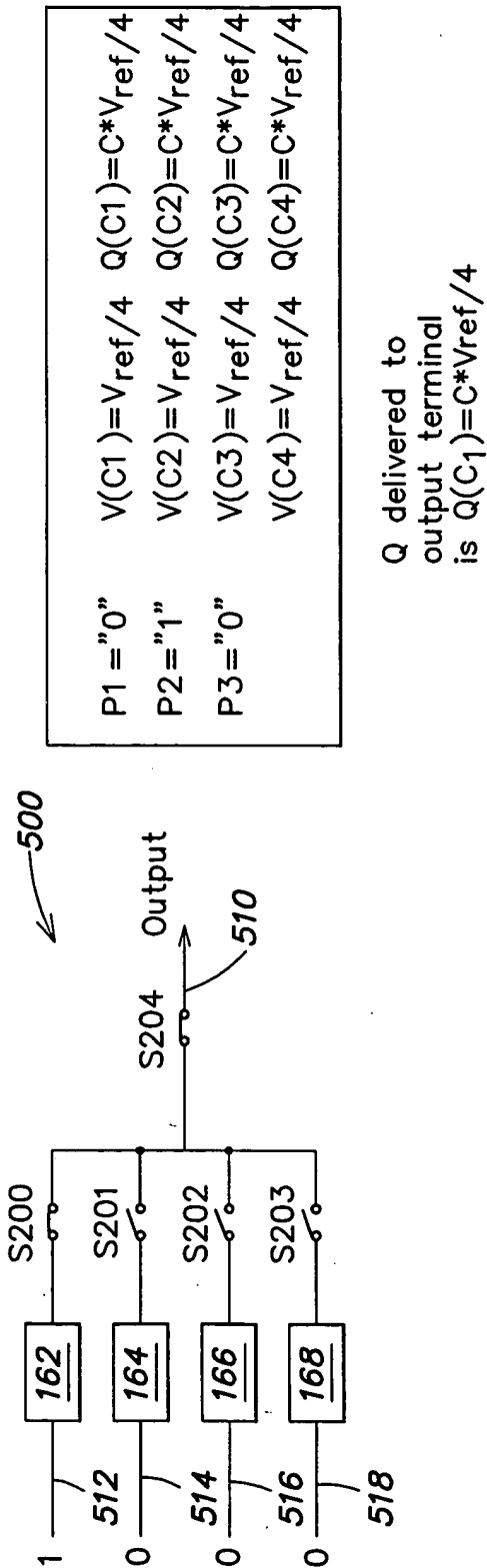


FIG. 33C

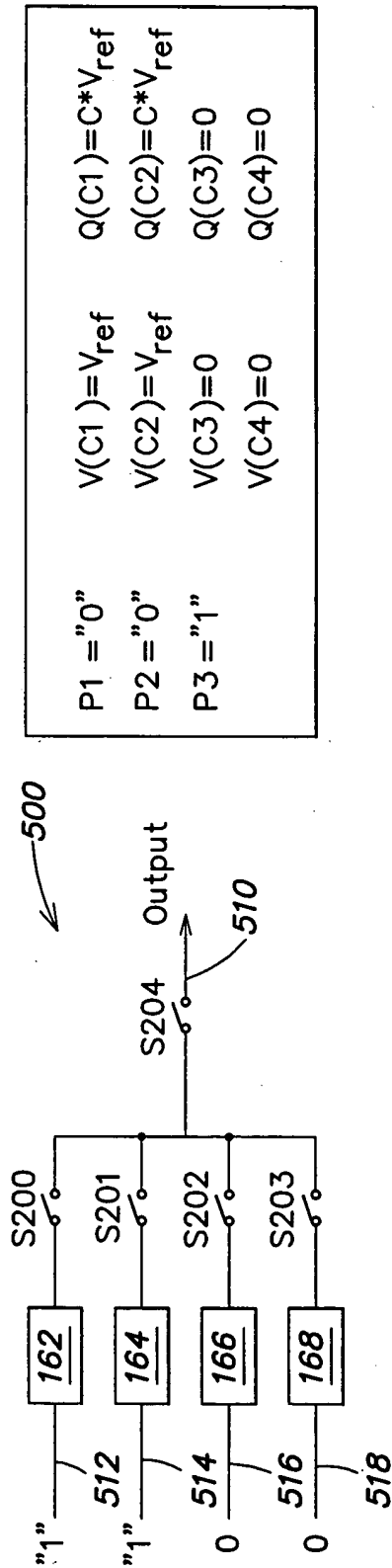


FIG. 34A

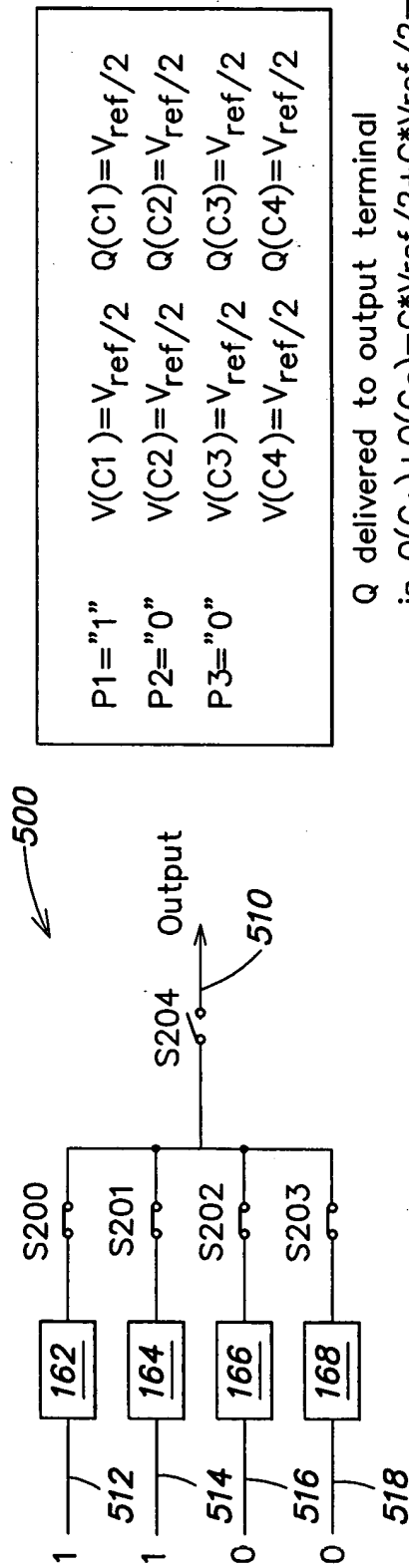


FIG. 34B

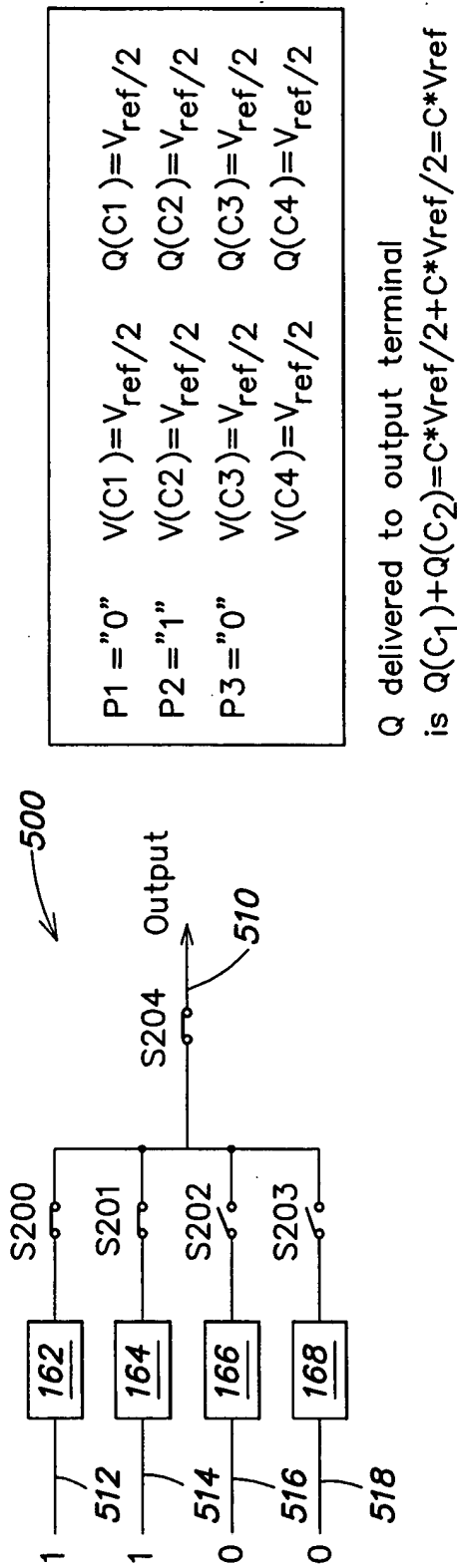


FIG. 34C

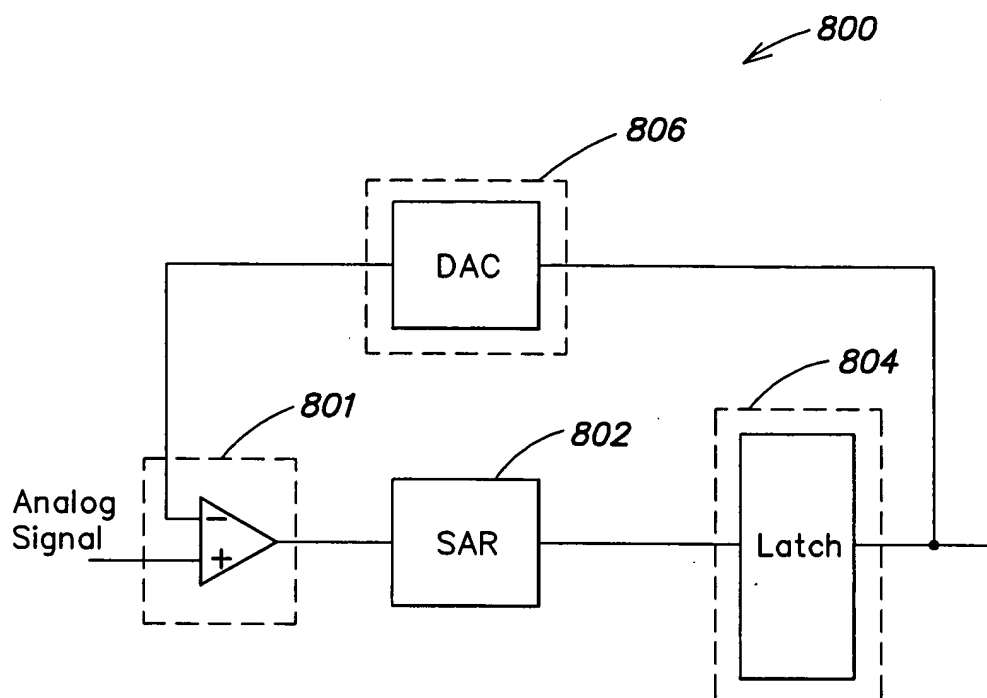


FIG. 35